RENEWABLE ENERGY · PRODUCT CATALOGUE

SOLAR & BATTERY ENERGY STORAGE 2026 CATALOGUE

Inverters, batteries and energy storage systems

House No. 7 Sable Road, Lusaka, Zambia | +260 971 164 668 | info@geoweteenterprise.com | www.geoweteenterprise.com

2026 EDITION

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ABOUT GEOWETE ENTERPRISE LIMITED

Powering Zambia's renewable energy transition

Geowete Enterprise Limited is a diversified Zambian enterprise operating as an active project developer and strategic investment platform. Headquartered in Lusaka, we address Zambia's structural development needs through commercially viable, well-governed and impact-oriented ventures.

Our renewable energy division designs, structures and delivers solar installations from 20MW to 960MW, together with solar backup systems, hybrid energy solutions and energy efficiency initiatives for institutional, commercial and community clients.

Every engagement combines technical excellence, sound financial design and robust governance, creating long-term value for investors, partners and communities.

AT A GLANCE

100+
PROJECTS COMPLETED

1K+
CUSTOMERS SERVED

20MW·960MW
SOLAR CAPACITY RANGE

5
BUSINESS LINES

CAPABILITIES

- Renewable Energy
- Water Security
- ICT Consultancy
- Construction
- Mining & Investment

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Product Catalog

Solar Energy Storage System

Off-Grid Inverter
Hybrid Inverter
Solar Power System



Battery System

Battery Packs



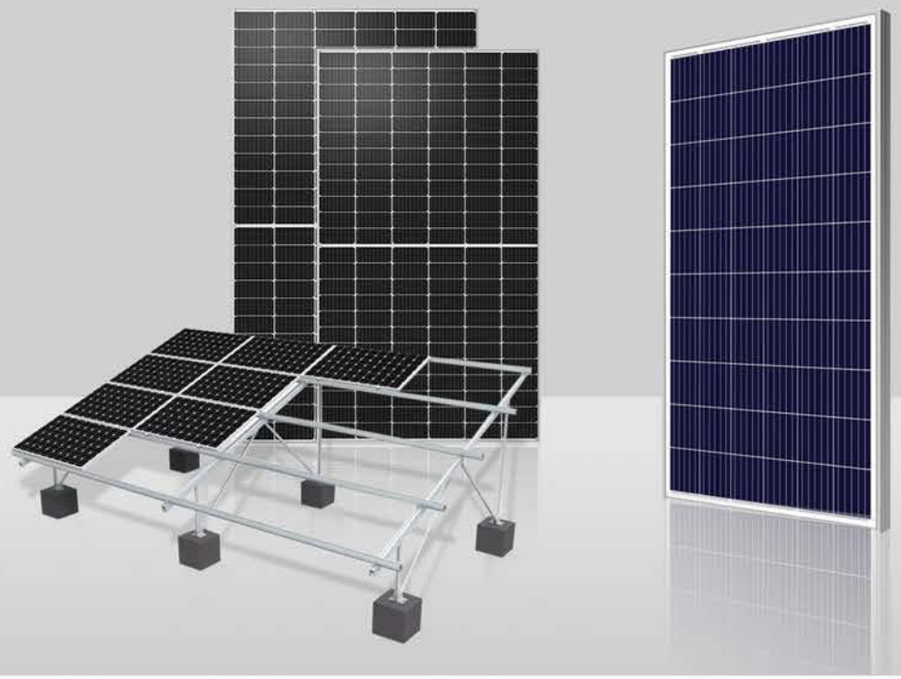
Commercial + Industrial Energy Storage Solutions

ESSA Outdoor Cabinet Energy Storage System
ESSC Containerized Energy Storage System

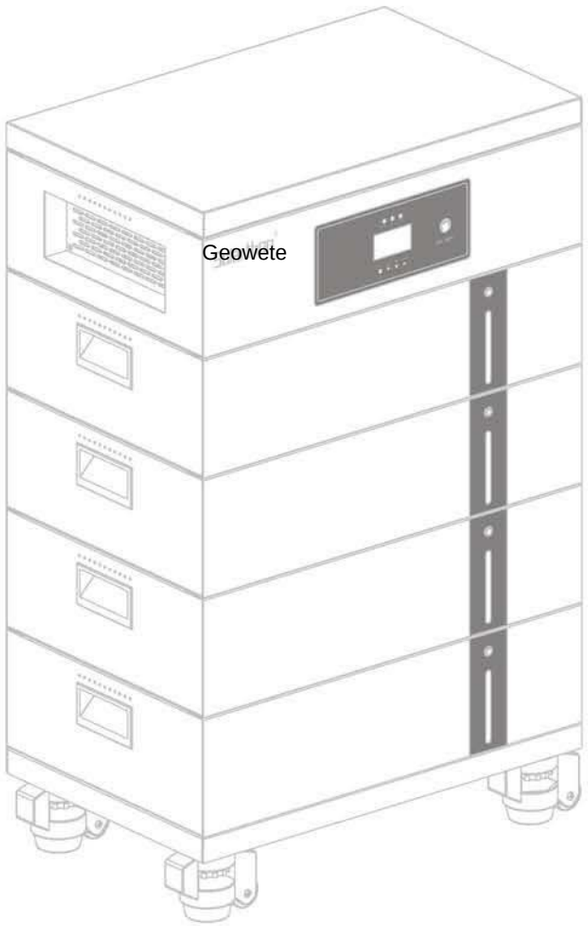


Solar Panels

Monocrystalline & Polycrystalline Panels



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01

Solar Energy Storage System

* ONE-STOP SOLAR ENERGY SYSTEM SOLUTION *

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Energon - All-In-One Energy Storage System

6.2KW/5KWh | 8KW/10KWh | 10KW/16KWh



Product Introduction

The Energon Series is a fully integrated energy storage solution that combines battery storage, inverter technology, and intelligent control in one compact system. With a built-in high-definition display, smart energy management, support for solar and AC charging, and multiple safety protections, it delivers a seamless, reliable, and user-friendly energy experience for modern applications.

Product Parameters

Model	DQ1414A6K2-01	DQ1414B8K-01	DQ1414C10K-01
Rated Power	6.2kW	8kW	10kW
Lithium Battery	100Ah/51.2V	200Ah/51.2V	314Ah/51.2V
AC Output Voltage	230VAC	230VAC	230VAC
AC Output Frequency	50/60Hz	50/60Hz	50/60Hz
AC Input Voltage Range	230VAC	230VAC	230VAC
AC Input Frequency	50/60Hz	50/60Hz	50/60Hz
Maximum AC innut current/charging current	40A/80A	70A/150A	70A/150A
Maximum PV Voltage	450VDC	450VDC	450VDC
MPPT Voltage Range	120-450VDC	120-450VDC	120-450VDC
PV Charge Current	100A	150A	150A
Operating Temperature	-20-+50°C	-20-+50°C	-20-+50°C
Storage Temperature	-30 -+70°C	-30 -+70°C	-30 -+70°C
External Dimensions	420*200*870mm	560*250*1146mm	560*250*1200mm
Max. Number of Parallel Units	6 sets	6 sets	6 sets
Warranty	3 years	3 years	3 years

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StackVolt Fusion - Integrated Energy Storage System

50KW/144KWH



Product Introduction

The StackVolt Fusion is a cabinet-integrated commercial and industrial energy storage system that combines modular lithium iron phosphate battery clusters with a bidirectional power conversion system (PCS). Designed for efficient energy storage and power conversion, the system features an integrated structure for simplified installation, compact footprint, and convenient maintenance.

Product Parameters

50KW Three Phase Hybrid Inverter	
Rated Output Power	50KW
Rated Output Voltage	380VAC,50/60Hz
Max. PV Input Voltage	1000V
MPPT Number/Road	4/2+2+2+2
MPPT Voltage Range	150~850V
Full Load Voltage Range	260~850V
PV Input Current	36+36+36+36A
Battery Voltage Range	160-800VDC
Number Of Battery Input	2
Max. Charging Current	50+50A
Max. Discharging Current	50+50A
Max. Efficiency	97.60%
Protection Class	IP65
Size	527*894*294mm
Weight	80kg
Warranty	5 Years

460.8V 314AH Vertically Stacked Energy Storage Battery Pack	
Battery Type	LiFePO4
Nominal Voltage	460.8V
Nominal Capacity	314Ah
Charging Cut-off Voltage	230.4V
Discharging Cut-off Voltage	179.2V
Max. Cont. Charging/Discharging Current	200A
Max. Instantaneous Charge/Discharge Current	200A
Cycle Life	⩾6000
Product Size	1095*758*1407mm
Weight	1250kg
Warranty	5 years

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StackVolt - High Voltage Stackable Battery Pack

204.8V 100AH | 409.6V 100AH | 614.4V 100AH | 768V 100AH



Product Introduction

Built on innovation and precision, This product is a lithium iron phosphate (LiFePO4) battery pack, composed of 16 battery cells connected in series—each rated at 3.2V and 100Ah. It features an optimized internal structural design and leverages advanced battery manufacturing technologies. Designed for reliable energy storage, this system offers high energy density, long cycle life, enhanced safety, and consistent performance across a wide operating temperature range.

Product Parameters

Model	DQ2910A20-01	DQ2910B40-01	DQ2910C60-01	DQ2910D77-01
Battery Type	LiFePO4	LiFePO4	LiFePO4	LiFePO4
Nominal Voltage	204.8V	409.6V	614.4V	768V
Nominal Capacity	100Ah	100Ah	100Ah	100Ah
Charging Cut-off Voltage	230.4V	460.8V	691.2V	865V
Discharging Cut-off Voltage	179.2V	358.4V	537.6V	672V
Max. Cont. Charging/Discharging Current	100A	100A	100A	100A
Max. Instantaneous Charge/Discharge Current	100A	100A	100A	100A
Max. Number Of Parallel	15 units	15 units	15 units	15 units
Cycle Life	⩾6000	⩾6000	⩾6000	⩾6000
Product Size	610.5*549*1020mm	610.5*549*1604mm	610.5*549*2188mm	1099*610.5*1454mm
Weight	245kg	448kg	650kg	824kg
Warranty	5 years	5 years	5 years	5 years

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FlexiStack - Energy Storage System

5.6KW 5KWH | 5.6KW 10KWH | 5.6KW 15KWH | 5.6KW 20KWH



Product Introduction

Compact, flexible, and built for modern living—our FlexiStack energy storage system redefines home energy independence. Powered by advanced LiFePO4 battery, this modular unit delivers 5.6kW output and expandable capacities from 5kWh to 20kWh. Its horizontal stacked design ensures seamless integration into both residential and small commercial spaces.

With long cycle life, robust safety features, and reliable performance across diverse temperatures, FlatStack brings clean, uninterrupted power—right where you need it most.

Product Parameters

Model	DQ1911A6K2-01	DQ1911B6K2-01	DQ1911C6K2-01	DQ1911D6K2-01
Rated Power	6.2KW	6.2KW	6.2KW	6.2KW
LiFePO4 Battery	100Ah/51.2V	200Ah/51.2V	300Ah/51.2V	400Ah/51.2V
AC Output Voltage	230VAC	230VAC	230VAC	230VAC
AC Output Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
AC Input Voltage Range	170-280VAC	170-280VAC	170-280VAC	170-280VAC
AC Input Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Maximum AC innut current/charging current	40A/80A	40A/80A	40A/80A	40A/80A
Maximum PV Voltage	500VDC	500VDC	500VDC	500VDC
MPPT Voltage Range	120-450VDC	120-450VDC	120-450VDC	120-450VDC
PV Charge Current	100A	100A	100A	100A
Operating Temperature	-20-+50°C	-20-+50°C	-20-+50°C	-20-+50°C
Storage Temperature	-30 -+70°C	-30 -+70°C	-30 -+70°C	-30 -+70°C
External Dimensions	610*390*490mm	610*390*652mm	610*390*813mm	610*390*975mm
Weight	71kg	112kg	153kg	194kg
Warranty:	3 years	3 years	3 years	3 years

FlexiStack - Energy Storage System

10KW 10KWH | 10KW 20KWH | 10KW 30KWH | 10KW 40KWH



Product Introduction

Compact, flexible, and built for modern living—our FlexiStack energy storage system redefines home energy independence. Powered by advanced LiFePO4 battery, this modular unit delivers 5.6kW output and expandable capacities from 5kWh to 20kWh. Its horizontal stacked design ensures seamless integration into both residential and small commercial spaces.

With long cycle life, robust safety features, and reliable performance across diverse temperatures, FlatStack brings clean, uninterrupted power—right where you need it most.

Product Parameters

Model	DQ1912A10K-01	DQ1912B10K-01	DQ1912C10K-01	DQ1912D10K-01
Rated Power	10KW	10KW	10KW	10KW
LiFePO4 Battery	200Ah/51.2V	400Ah/51.2V	600Ah/51.2V	800Ah/51.2V
AC Output Voltage	230VAC	230VAC	230VAC	230VAC
AC Output Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
AC Input Voltage Range	170-280VAC	170-280VAC	170-280VAC	170-280VAC
AC Input Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Maximum AC innut current/charging current	60A/150A	60A/150A	60A/150A	60A/150A
Maximum PV Voltage	500VDC	500VDC	500VDC	500VDC
MPPT Voltage Range	120-450VDC	120-450VDC	120-450VDC	120-450VDC
PV Charge Current	150A	150A	150A	150A
Operating Temperature	-20-+50°C	-20-+50°C	-20-+50°C	-20-+50°C
Storage Temperature	-30 -+70°C	-30 -+70°C	-30 -+70°C	-30 -+70°C
External Dimensions	750*480*510mm	750*480*682mm	750*480*853mm	750*480*1025mm
Weight	126kg	198kg	270kg	342kg
Warranty:	3 years	3 years	3 years	3 years

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FlatStack Energy Storage System

10KW 16KWH | 10KW 32KWH





Product Introduction

Compact, flexible, and built for modern living—our FlexiStack energy storage system redefines home energy independence. Powered by advanced LiFePO4 battery, this modular unit delivers 5.6kW output and expandable capacities from 5kWh to 20kWh. Its horizontal stacked design ensures seamless integration into both residential and small commercial spaces.

With long cycle life, robust safety features, and reliable performance across diverse temperatures, FlatStack brings clean, uninterrupted power—right where you need it most.

Product Parameters

Model	DQ1912E10K-01	DQ1912F10K-01
Rated Power	10KW	10KW
LiFePO4 Battery	314Ah/51.2V	628Ah/51.2V
AC Output Voltage	230VAC	230VAC
AC Output Frequency	50/60Hz	50/60Hz
AC Input Voltage Range	170-280VAC	170-280VAC
AC Input Frequency	50/60Hz	50/60Hz
Maximum AC innut current/charging current	60A/150A	60A/150A
Maximum PV Voltage	500VDC	500VDC
MPPT Voltage Range	120-450VDC	120-450VDC
PV Charge Current	150A	150A
Operating Temperature	-20-+50°C	-20-+50°C
Storage Temperature	-30 -+70°C	-30 -+70°C
External Dimensions	765*420*590mm	765*420*762mm
Weight	133kg	228kg
Warranty:	3 years	3 years

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SolarOne - All-In-One Battery Energy Storage System

6.2KW (5KWH | 10KWH | 15KWH)



6.2KW 5KWH



6.2KW 10KWH



6.2KW 15KWH

Product Introduction

SolarOne is an all-in-one smart energy system that seamlessly integrates an inverter, MPPT solar charge controller, lithium battery storage, and real-time LCD monitoring—all within a compact, plug-and-play unit.

Designed for areas with no or unreliable grid access, it delivers stable 5.6kW AC output using advanced SPWM technology, making it ideal for powering homes, workshops, or remote installations. With comprehensive electronic protection, intuitive digital control, and high system reliability, SolarOne brings dependable solar energy—anytime, anywhere.

Product Parameters

Model	DQ1906B6K2-01	DQ1906C6K2-01	DQ1906D6K2-01
Rated Power	6.2KW	6.2kW	6.2kW
Lithium Battery	100Ah/51.2V	200Ah/51.2V	300Ah/51.2V
AC Output Voltage	230VAC	230VAC	230VAC
AC Output Frequency	50/60Hz	50/60Hz	50/60Hz
AC Input Voltage Range	230VAC	230VAC	230VAC
AC Input Frequency	50/60Hz	50/60Hz	50/60Hz
Maximum AC innut current/charging current	40A/60A	40A/60A	40A/60A
Maximum PV Voltage	500VDC	500VDC	500VDC
MPPT Voltage Range	120-450VDC	120-450VDC	120-450VDC
PV Charge Current	100A	100A	100A
Operating Temperature	-20-+50°C	-20-+50°C	-20-+50°C
Storage Temperature	-30 -+70°C	-30 -+70°C	-30 -+70°C
External Dimensions	590*196*700mm	590*196*1070mm	590*196*1440mm
Max. Number Of Parallel	6 sets	6 sets	6 sets
Weight	61kg	106kg	151kg
Warranty	3 years	3 years	3 years

SolarOne Pro - All-In-One Battery Energy Storage System

6.2KW/10KWH | 10KW/10KWH | 10KW (16KWH/32KWH)



6.2KW 10KWH



10KW 10KWH



10KW 16KWH



10KW 32KWH

Product Introduction

SolarOne Pro is a high-capacity all-in-one solar power system, engineered for demanding energy environments. It integrates an inverter, MPPT solar charge controller, battery storage, and real-time monitoring into a single smart unit.

Delivering a powerful 10kW AC output, it's ideal for large homes, small businesses, or remote facilities with high power demands. Advanced SPWM technology ensures pure sine wave output, while its LCD display provides real-time performance insights.With built-in multi-layer protection and plug-and-play convenience, SolarOne Pro 1guarantees stable, safe, and intelligent solar power.

Product Parameters

Model	DQ1906B6K2-01	DQ1914A10K-01	DQ1914B10K-01	DQ1914E10K-01
Rated Power	6.2KW	10KW	10KW	10KW
Lithium Battery	200Ah/51.2V	200Ah/51.2V	314Ah/51.2V	628Ah/51.2V
AC Output Voltage	230VAC	230VAC	230VAC	230VAC
AC Output Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
AC Input Voltage Range	230VAC	230VAC	230VAC	230VAC
AC Input Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Maximum AC innut current/charging current	40A/80A	60A/150A	60A/150A	60A/150A
Maximum PV Voltage	500VDC	500VDC	500VDC	500VDC
MPPT Voltage Range	120-450VDC	120-450VDC	120-450VDC	120-450VDC
PV Charge Current	100A	150A	150A	150A
Operating Temperature	-20-+50°C	-20-+50°C	-20-+50°C	-20-+50°C
Storage Temperature	-30 -+70°C	-30 -+70°C	-30 -+70°C	-30 -+70°C
External Dimensions	666*1157*220mm	666*1157*220mm	590*196*1440mm	590*196*1810mm
Max. Number Of Parallel	6 sets	6 sets	6 sets	6 sets
Weight	97kg	106kg	151kg	277kg
Warranty	3 years	3 years	3 years	3 years

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All-In-One Battery Energy Storage System

600W | 1200W | 2200W | 3000W | 5000W

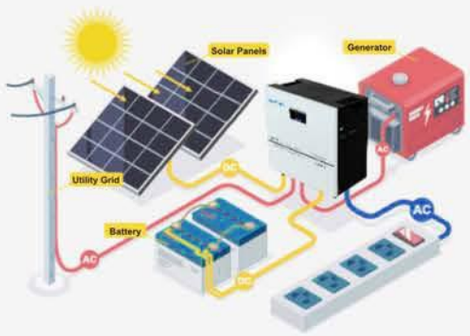


Product Introduction

This all-in-one off-grid solar power system that integrates an MPPT inverter, solar charger, and lithium battery. Designed for homes, communities, and areas without reliable electricity, it provides stable power with easy installation, portable design, and applications.

Product Features

- Dual-CPU intelligent control for stable, efficient performance.
- Pure sine wave AC output, compatible with a wide range of loads.
- Flexible operating modes: power supply, energy-saving, and battery mode.
- Multiple ports: 5V USB, 12V DC, and AC outputs for powering diverse devices.
- Digital LCD and LED indicators for clear system status monitoring.
- Comprehensive battery protection against overcharge and over-discharge, extending service life.
- Intelligent exhaust fan for safe and reliable cooling.
- Full system protection with alarms, including overload and short-circuit protection.



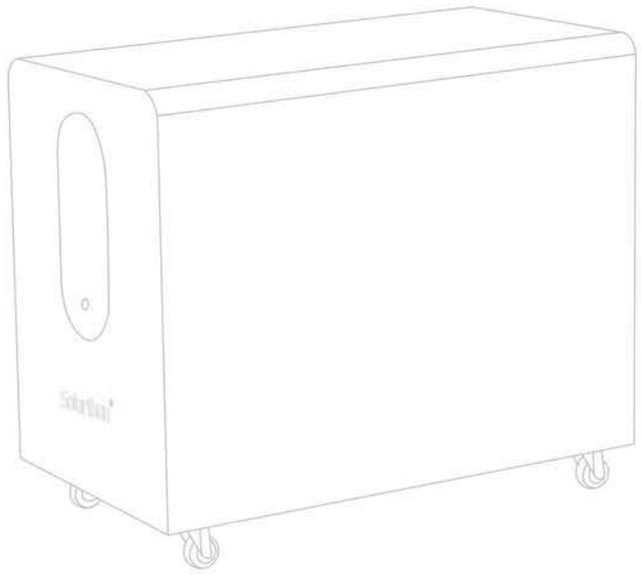
Application Scope

Ideal as a reliable energy source for lighting, radios, fans, TVs, computers, and refrigerators. The USB port supports all 5V charging devices, and the system also serves as a dependable backup power supply in emergency situations.

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Product Parameters

Inverter					
Model	STAL601128	STAL122256	STAL222256	STAL352512	STAL502512
Battery Voltage	12.8V	25.6V		51.2V	
In-built Battery Specification	50AH/12.8V	50AH/25.6V	100AH/25.6V	63AH/51.2V	100AH/51.2V
Rated Power	600W	1200W	2200W	3500W	5000W
Output Voltage	110 or 220VAC				
Output Frequency	50/60Hz				
Output Waveform	Pure Sine Wave				
Input Voltage Range	72-138/145-275VAC		85-138/170-275VAC		
Input Frequency	50-60Hz				
MPPT Charge					
Maximum Photovoltaic Voltage	⩽100V	⩽100V	⩽100V	⩽150V	⩽150V
MPPT Tracking Voltage Range	18-100V	35-100V	35-100V	60-150V	60-150V
MAX. PV Charge Current	30A	30A	30A	30A	60A
Maximum Power	420WP	840WP	840WP	1500WP	3000WP
DC Output					
5VDC USB Output Port	2Units/Max 2A				
12VDC Output Port	2Units/Max 2A				
Other					
Heat Dissipation/Cooling	Temperature Control By Intelligent Exhaust Fan				
Ambient Temperature For Operation	-20-+50°C				
Ambient Temperature For Storage	-25-+55°C				
peration/Storage Conditions	0-90%(no condensation)				
xternal Dimensions: DxWxH(mm)	460*182*397	485*202*406	500*229*464	577*350*644	627*405*664
Packing Dimensions: DxWxH (mm)	527*267*470	552*277*477	570*310*535	665*450*825	715*505*845



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02

Battery System

* ONE-STOP SOLAR ENERGY SYSTEM SOLUTION *

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LOGIQ - Smart Energy Storage Solution

25.6V 100Ah | 25.6V 200V | 25.6 300AH | 51.2V 100AH



Product Introduction

The Geowete LOGIQ series designed to bring intelligent energy storage into everyday living. Featuring advanced lithium battery technology, an integrated smart BMS, real-time monitoring, and strong system compatibility, it delivers safe, reliable, and efficient energy storage with greater visibility and control.

Product Parameters

Model	GLF24100-01	GLF24200-01	GLF24300-01	GLF52100-01
Battery Type	LiFePO4	LiFePO4	LiFePO4	LiFePO4
Nominal Voltage	25.6V	25.6V	25.6V	51.2V
Nominal Capacity	100Ah	200Ah	300Ah	100Ah
Charging Cut-off Voltage	29.2V	29.2V	29.2V	58.4V
Discharging Cut-off Voltage	20V	20V	20V	44V
Max. Cont. Charging	100A	200A	200A	200A
Continuous Charge	50A	100A	150A	50A
Max. Number Of Parallel	6 sets	6 sets	6 sets	6 sets
Cycle Life	⩾6000	⩾6000	⩾6000	⩾6000
Product Size	430*456*156mm	635*456*156mm	635*456.4*249.5mm	635*456*156mm
Weight	30kg	49kg	71kg	49kg

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LOGIQ S - Smart Energy Storage Solution

51.2V 230AH | 51.2V 314AH | 51.2V 628AH



Product Introduction

lithium iron phospnate battery technology with intelligent system management, it transforms energy storage from a passive function into an active, responsive solution. With real-time monitoring, and intuitive the LOGIQ S brings clarity and confidence to everyday energy use. Whether for backup power or integrated energy systems, it delivers a smarter, more reliable way to power modern living.

Product Parameters

Model		ALF52230-01	ALF52314-01	ALF52628-01
Nominal Voltage		51.2V	51.2V	51.2V
Nominal Capacity		230AH	314AH	628AH
Maximum charge/discharge current	Confinuous charge/discharge	120A/120A	140A/140A	230A/230A
	Pulse Charge/ Discharge (30s)	300A/300A	300A/300A	300A/300A
Recommended charging current		120A	140A	230A
Maximum charging voltage		58.4V	58.4V	58.4V
Floating charging voltage		58.4V	58.4V	58.4V
Cycle life		⩾6000	⩾6000	⩾6000
Weight		95kg	120kg	230kg
Product Size		470x245x750mm	470x245x910mm	705x250x1065mm

PowerCell

51.2V 314AH High-Capacity Battery Pack



Product Introduction

Built for residential, commercial, and backup applications, it provides stable energy supply across a wide range of scenarios — from household systems to UPS and integrated energy solutions.
Engineered with a focus on long-term performance, the INSIGHT Series features extended cycle life, advanced safety protection from software to structural design, and a refined, modern appearance. It seamlessly integrates with off-grid, grid-tied, and hybrid inverters, offering flexible deployment and dependable operation.

Product Parameters

Model	LF51314-10
Battery Type	LiFePO4
Nominal Voltage	51.2V
Nominal Capacity	314Ah
Charging Cut-off Voltage	58.4V
Discharging Cut-off Voltage	44V
Max. Cont. Charging Current	200A
Max. Cont. Discharging Current	200A
Working Temperature	0°C~ 55°C(Charge)
Working Temperature	-20°C~ 65°C(Discharge)
Cycle Life	⩾6000
Product Size	800*290*660mm
Weight	130kg

PowerCell+

51.2V 628AH High-Capacity Battery Pack



Product Introduction

Empower your energy future—with Pro-grade performance

PowerCel+I is our most powerful and future-ready energy storage solution—built to support the demands of high-performance residential, commercial, and off-grid applications. This 51.2V lithium iron phosphate (LiFePO4) battery pack features 32 premium-grade 3.2V 280Ah cells in a 16S2P configuration, delivering double the capacity of our standard models. It combines intelligent internal architecture with advanced BMS and thermal management, ensuring exceptional energy density, maximum safety, and long-term reliability.

Product Parameters

Model	LF51628-11
Battery Type	LiFePO4
Nominal Voltage	51.2V
Nominal Capacity	628Ah
Charging Cut-off Voltage	58.4V
Discharging Cut-off Voltage	44V
Max. Cont. Charging Current	230A
Max. Cont. Discharging Current	230A
Working Temperature	0°C~ 55°C(Charge)
Working Temperature	-20°C~ 65°C(Discharge)
Cycle Life	⩾6000
Product Size	800*470*660mm
Weight	235kg

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PowerCell Red – Compact Lithium Battery Pack

25.6V 200Ah



Product Introduction

The product belongs to one of the series of household energy storage products that are independently designed and developed by us. It is used for energy storage and energy supply to household, commercial, UPS and other electrical equipment.
This product enjoys many merits: long cycle life, high safety standard from software protection to strong housing, exquisite looks, and easy installation, etc. It is widely used in energy storage system with off-grid inverters, grid-connected inverters and hybrid inverters.

Product Parameters

Model	LF25200-02
Battery Type	LiFePO4
Nominal Voltage	25.6V
Nominal Capacity	200Ah
Charging Cut-off Voltage	29.2V
Discharging Cut-off Voltage	21.6V
Max. Cont. Charging Current	100A
Max. Cont. Discharging Current	200A
Max. Number Of Parallel	6 sets
Cycle Life	⩾6000
Product Size	720*355*167mm
Weight	43kg
Warranty	5 years



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PowerCell Red – Compact Lithium Battery Pack

51.2V 100AH | 51.2V 150AH | 51.2V 200AH



Product Introduction

Designed to perform wherever reliable energy is needed, the PowerCell Red Series delivers stable, long-lasting power with flexibility across residential, commercial, and backup power applications.

Available in multiple configurations—each unit features advanced lithium iron phosphate (LiFePO4)technology for high energy density, long cycle life, and enhanced safety.

From hybrid inverters to off-grid setups and UPS systems, PowerCell Red offers intelligent protection, strong structural design, and effortless integration into modern energy systems.

Product Parameters

Model	LF51100-10	LF51150-02	LF51200-02
Battery Type	LiFePO4	LiFePO4	LiFePO4
Nominal Voltage	51.2V	51.2V	51.2V
Nominal Capacity	100Ah	150Ah	200Ah
Charging Cut-off Voltage	51.5V-54V	58.4V	58.4V
Discharging Cut-off Voltage	45V-54V	40.8V	40.8V
Max. Cont. Charging Current	100A	100A	100A
Max. Cont. Discharging Current	100A	100A	100A
Max. Number Of Parallel	6 sets	6 sets	6 sets
Cycle Life	⩾6000	⩾6000	⩾6000
Product Size	530*485*175mm	800*435*175mm	800*551*175mm
Weight	47kg	60kg	79kg
Warranty	5 years	5 years	5 years

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PowerCell Blue – Compact LiFePO4 Battery Pack

25.6V 100AH | 25.6V 200AH | 25.6V 300AH



Product Introduction

Smart Battery Pack for Flexible Energy Needs

When systems run on lower voltages but still demand performance, the PowerCell Blue Series delivers clean, stable, and scalable power designed for flexibility.

Available in 25.6V configurations with various capacity options, these compact LiFePO4 battery packs are ideal for UPS systems, RVs, telecom backup, and small residential energy storage.

Engineered with high safety standards, durable housing, and intelligent battery management, PowerCell Blue combines plug-and-play simplicity with long-term reliability—making it an excellent choice for off-grid and hybrid inverter systems.

Product Parameters

Model	GLF24100-01	GLF24200-01	GLF24300-01
Battery Type	LiFePO4	LiFePO4	LiFePO4
Nominal Voltage	25.6V	25.6V	25.6V
Nominal Capacity	100Ah	200Ah	300Ah
Charging Cut-off Voltage	29.2V	29.2V	29.2V
Discharging Cut-off Voltage	20V	20V	20V
Max. Cont. Charging/Discharging Current (30s)	100A	200A	200A
Continuous Charge/Discharge Current	50A	80A	80A
Max. Number Of Parallel	6 sets	6 sets	6 sets
Cycle Life	⩾6000	⩾6000	⩾6000
Product Size	430*456*156mm	635*456*156mm	635*456*244mm
Weight	29.5kg	51kg	68kg
Warranty	5 years	5 years	5 years

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LFP Battery Pack

12.8V 100Ah | 12.8V 150Ah | 12.8V 200Ah | 12.8V 300Ah
25.6V 100Ah | 25.6V 150Ah | 25.6V 200Ah | 25.6V 300Ah





Product Parameters

Model	LF12100-02	LF12150-02	LF12200-02	LF12300-02
Battery Type	LiFePO4	LiFePO4	LiFePO4	LiFePO4
Nominal Voltage	12.8V	12.8V	12.8V	12.8V
Nominal Capacity	100Ah	150Ah	200Ah	300Ah
Nominal Energy	1.28kWh	1.92kWh	2.56kWh	3.84kWh
Charging Cut-off Voltage	14.6V	14.6V	14.6V	14.6V
Discharging Cut-off Voltage	11.2V	11.2V	11.2V	11.2V
Max. Cont. Charging Current	100A	150A	200A	300A
Max. Cont. Discharging Current	100A	150A	200A	300A
Working Temperature	0°C~ 55°C(Charge)			
Working Temperature	-20°C ~ 60°C(Discharge)			
Cycle Life	>6000	>6000	>6000	>6000
Product Size	250*186*240mm	340*160*187mm	315*260*185mm	346*186*273mm
Weight	15.5kg	15kg	20kg	27.5kg

Model	LF24100-02	LF24150-02	LF24200-02	LF24300-02
Battery Type	LiFePO4	LiFePO4	LiFePO4	LiFePO4
Nominal Voltage	25.6V	25.6V	25.6V	25.6V
Nominal Capacity	100Ah	150Ah	200Ah	300Ah
Nominal Energy	2.56kWh	3.84kWh	5.12kWh	7.68kWh
Charging Cut-off Voltage	29.2V	29.2V	29.2V	29.2V
Discharging Cut-off Voltage	22.4V	22.4V	22.4V	22.4V
Max. Cont. Charging Current	100A	150A	200A	250A
Max. Cont. Discharging Current	100A	150A	200A	250A
Working Temperature	0°C~ 55°C(Charge)			
Working Temperature	-20°C ~ 60°C(Discharge)			
Cycle Life	>6000	>6000	>6000	>6000
Product Size	451*186*224mm	482*245*182mm	470*315*185mm	491*285*273mm
Weight	28kg	27.5kg	37kg	53kg

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LFP Battery System

51.2V 100Ah





Product Introduction

The 51.2V 100Ah LiFeP4O4 Battery Pack is a safe and reliable energy storage module designed for scalable applications. Each module features a high-performance lithium iron phosphate (LFP) chemistry and is equipped with an intelligent battery management system for real-time protection, optimized charging, and extended cycle life.

Product Parameters

Model	ST-F512100
Nominal Voltage	51.2V
Capacity	100Ah
Nominal Energy	5.12kWh
Discharge Voltage	45~54V
Charge Voltage	51.5V~54V
Cont. Charge Current	50A
Cont. Discharge Current	50A
Max. Discharge Current	100A
Operating temperature	0°C~45°C (Charge)/-20°C~45°C (Discharge)
Scalability	Up to 5 units
DOD	90%
Communication	CAN/RS485
Cycle Life	>6000
IP Grade	IP65
Installation	Cabinet
Dimension	440*530*132mm
Weight	48kg
Warranty	3 Years

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LiFePO4 Battery

12.8V 100AH | 12.8V 200AH | 25.6V 100AH



Product Introduction

This product is a lithium iron phosphate (LiFePO4) battery pack. The **12.8V 100AH** battery pack consists of 4 series-connected 3.2V 100AH LiFePO4 cells, the **12.8V 200AH** battery pack is composed of 4 series-connected 3.2V 200AH LiFePO4 cells, and the **25.6V 100AH** battery pack is formed by 8 series-connected 3.2V 100AH LiFePO4 cells. Designed with a scientific internal structure and advanced battery production technology, this battery system serves as an eco-friendly energy storage solution. It features high energy density, extended cycle life, exceptional safety, reliability, and a broad operating temperature range, making it an ideal choice for efficient and sustainable energy storage in cabinet applications.

Product Parameters

Model	LF24100-01	LF12100-01	LF12200-01
Battery Type	LiFePO4	LiFePO4	LiFePO4
Nominal Voltage	25.6V	12.8V	12.8V
Nominal Capacity	100Ah	100Ah	200Ah
Nominal Energy	2.56kWh	1.28kWh	2.56kWh
Operating Voltage Range	22.4V~ 29.2v	11.2V~14.6V	11.2V~14.6V
Standard Charging Current	0.5C(50A)	0.5C(50A)	0.5C (100A)
Standard Discharging Current	0.5C(50A)	0.5C (50A)	0.5C (100A)
Max Continuous Charging Current	1C(100A)	1C (100A)	1C(200A)
Max Continuous Discharging Current	1C (100A)	1C (100A)	1C (200A)
Charging temperature range	-20°C~55°C	-20°C~55°C	-20°C~55°C
Discharge temperature range	-30°C~55°C	-30°C~55°C	-30°C~55°C
Storage Temperature	-40°C~60°C	-40°C~60°C	-40°C~60°C
Operating Humidity	25~80%RH	25~80%RH	25~80%RH
Battery System Weight	20±1kg	11±1kg	20±1kg
Form Factor	502*186*243mm	328*191*224mm	502*186*243mm
Warranty	3 Years	3 Years	3 Years

Deep Cycle Gel Battery

12V100AH | 12V150AH | 12V200AH



Product Parameters

Battery Type	Rated voltage		12V	
	Nominal capacity (10HR)		100Ah	
	battery Model		STGE12100	
Battery size	L	W	H	Overall height(including terminals)
	407mm(16.02 inches)	172mm(6.77 inches)	208mm(8.18 inches)	233mm(9.17 inches)
Approximate weight	29.4kg(63.05lbs)+3%			
Capacity(Ah)(25°C)	20 Hour Rate(10.5V)	10 Hour Rate(10.8v)	5 Hour Rate (10.5V)	1 Hour Rate(9.6v)
	105Ah	100Ah	92.4Ah.	60.00Ah
Maximum dischargecurrenf	1200A(5S)			
Battery internal resistance	Approx. when fully charged:6mQ(25C)			

Battery Type	Rated voltage		12V	
	Nominal capacity (10HR)		150Ah	
	battery Model		STGE12150	
Battery size	L	W	H	Overall height(including terminals)
	481mm(16.02 inches)	170mm(6.77 inches)	242mm(8.18 inches)	245mm(9.65 inches)
Approximate weight	40.6kg(63.05lbs)+3%			
Capacity(Ah)(25°C)	20 Hour Rate(10.5V)	10 Hour Rate(10.8v)	5 Hour Rate (10.5V)	1 Hour Rate(9.6v)
	157Ah	150Ah	139Ah.	90Ah
Maximum dischargecurrenf	1800A(5S)			
Battery internal resistance	Approx. when fully charged:6mQ(25C)			

Battery Type	Rated voltage		12V	
	Nominal capacity (10HR)		200Ah	
	battery Model		STGE12200	
Battery size	L	W	H	Overall height(including terminals)
	522mm(16.02 inches)	240mm(6.77 inches)	221mm(8.18 inches)	233mm(9.17 inches)
Approximate weight	55.4kg(63.05lbs)+3%			
Capacity(Ah)(25°C)	20 Hour Rate(10.5V)	10 Hour Rate(10.8v)	5 Hour Rate (10.5V)	1 Hour Rate(9.6v)
	210Ah	200Ah	185Ah.	120Ah
Maximum dischargecurrenf	2400A(5S)			
Battery internal resistance	Approx. when fully charged:6mQ(25C)			

Automobile Storage Battery

62AH | 75AH | 100AH | 150AH



Product Introduction

Battery is an indispensable part of the car, the amount of water decomposition produced when the battery is charged is small, the amount of water evaporation is also low, and the shell adopts a sealed structure, and the sulfuric acid gas released is also very little, so it has the advantages of not adding any liquid, the wiring pile head, and the power storage time is long.

Product Parameters

Model	RTAB1262		RTAB1275	
Rated Voltage	12V		12V	
Rated Capacity (20 HR)	62Ah		75Ah	
R.C.	101 min		127 min	
C.C.A(-18°C)	480A		600A	
Terminal	A		A	
Layout	0		0	
Product Size	240*175*190mm	weight: 13.2kg	275*175*190mm	weight: 15.6kg
Package Size	250×185x245mm	weight: 13.7kg	285×185x245mm	weight: 16.1kg
Warranty	2 years		2 years	

Model	RTAB12100		RTAB12150	
Rated Voltage	12V		12V	
Rated Capacity (20 HR)	100Ah		150Ah	
R.C.	179 min		313 min	
C.C.A(-18°C)	800A		1020A	
Terminal	A		A	
Layout	0		3_/+,4+/_	
Product Size	350*175*190mm	weight: 19.8kg	506*220*235mm	weight: 38.4kg
Package Size	360×185x245mm	weight: 20.6kg	515x230×280mm	weight: 39.2kg
Warranty	2 years		2 years	



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03

Solar Inverter

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Hybrid Solar Inverter

3.0KW | 4.2KW | 6.2KW





Product Introduction

streamlined solution. Designed for modern energy systems, it integrates inverter, solar charger, and battery charger functions to deliver stable, efficient, and uninterrupted power. With a built-in LCD display and user-friendly control system, it offers greater visibility and flexibility, enabling users to easily manage charging settings, prioritize energy sources, and adapt to different power conditions.

Product Parameters

Model	THON-3.0KW-01	THON-4.2KW-01	THON-6.2KW-01
Battery Voltage	25.6VDC	25.6VDC	51.2VDC
Full Load	3000W	4200W	6200W
Nominal Operating Voltage	230VDC	240VDC	240VDC
Vmax PV	230Vdc	500Vdc	500Vdc
PV Input Voltage Range	60-450VDC	60-450VDC	60-450VDC
Imax PV	18A	18A	22A
Full Load MPPT Range	240-450VDC	240-450VDC	240-450VDC
Maximum PV Input Power	1500W	4200W	6200W
Nominal Output Voltage	220/230/240VAC 50/60Hz	220/230/240VAC 50/60Hz	220/230/240VAC 50/60Hz
Nominal Output Current	18.2A	18.2A	27A
Nominal AC Input Voltage	230VAC, 50/60Hz	230VAC, 50/60Hz	230VAC, 50/60Hz
Maximum AC Input Current	30A	30A	40A
Maximum AC Charging Current	40A	100A	100A
Communication	RS232/GPRS/WIFI/LITHIUM BATTERY		
Product Size	273x357x95mm	443*359*113mm	443*359*113mm
Net Weight	3.6kg	8.8kg	8.8kg
Warranty	3 Years	3 Years	3 Years

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Hybrid Solar Inverter

8KW | 10KW | 11KW | 12KW





Product Introduction

The Solarthon Hybrid Solar Inverter brings power conversion, energy charging, and intelligent control together in one streamlined solution. Designed for modern energy systems, it integrates inverter, solar charger, and battery charger functions to deliver stable, efficient, and uninterrupted power. With a built-in LCD display and user-friendly control system, it offers greater visibility and flexibility, enabling users to easily manage charging settings, prioritize energy sources, and adapt to different power conditions.

Product Parameters

Model	THON-8KW-02P	THON-10KW-01P	THON-11KW-01P	THON-12KW-01P
Battery Voltage	51.2VDC	51.2VDC	51.2VDC	51.2VDC
Rated Power	10000VA/8000W	10000VA/10000W	11000VA/11000W	12000VA/12000W
Rated AC Output Voltage	230VAC	230VAC	230VAC	230VAC
Rated AC Output Current	35A	43.5A	48A	52A
Battery Input Voltage Range	40~60VDC	40~60VDC	40~60VDC	40~60VDC
Maximum Battery Current	183A	230A	250A	260A
Rated AC Input Voltage Range	170-280VAC, 50Hz	170-282VAC, 50/60Hz	170-280VAC, 50Hz	170-282VAC, 50/60Hz
Maximum AC Charging Current	150A	150A	150A	150A
Maximum PV Input Power	5500W+5500W	5500W+5500W	5500W+5500W	5500W+5500W
MPPT Input Voltage Range	120-450VDC	120-450VDC	120-450VDC	120-450VDC
Maximum PV Input Current	22A+22A	22A+22A	22A+22A	22A+22A
Maximum PV Charge Current	150A	150A	150A	150A
IP Grade	IP20	IP20	IP20	IP20
Max. Number Of Parallel	6 sets	6 sets	6 sets	6 sets
Product Size	576*388.6*131mm	576*388.6*131mm	576*388.6*131mm	651.9*489*137mm
Weight	18.1kg	18.1kg	18.1kg	23.4kg
Warranty	3 Years	3 Years	3 Years	3 Years

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MPPT Controller

20A | 40A | 60A



Product Introduction

The Geowete MPPT Controller is engineered to maximize solar energy conversion and ensure reliable battery charging. Compact and durable and durable, built with advanced MPPT technology, it continuously tracks the optimal power point to deliver higher efficiency.

Product Parameters

Model	STB1220	STB1240	STB1260
Maximum Charging Curent	20A	40A	60A
Maximum input power	260W/520W	520W/1040W	750W/1500W
Dimensions	136.6*136.6*67.1mm	196.5*136.6*97.1mm	262.5*168.5*97.5mm
System Voltage	12/24V Automatic identification		
MPPT Charging Voltage	<14.5/29V@25°		
Overcharge protection voltage	10.0-32.0V(Lithtum battery, default 14.4V)		
Battery Type	gel, AGM.lead-acld, Lithium (default gel battery)		
Maximum PV Voltage	100V(-20°C),90v(25°C)		
MPPT Tracking Range	(Battery voltage+1.0V) -Voc*0.9 *2		
Operating Mode	Universal controller (default), street light mode, user manual mode		
Maximum MPPT Tracking Efficiency	>99.9%		
Maximum Charging Conversion Efficiency	98.0%		
Weight	830g	1300g	2500g
Self Power Consumption	<12mA		
Communication	RS485(RJ11 port)		
Operating Ambient Temperature	-20-+55°C		
Storage Temperature	-25-+55°C		
IP Rating	IP32		

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SolarGuard Combiner Series

A4 | A6 | B8 | B10

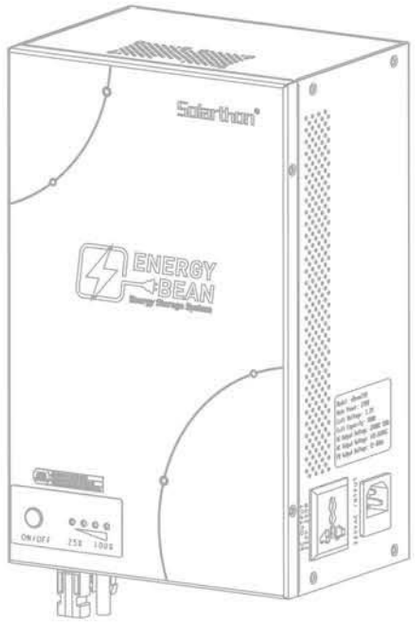


Product Introduction

ner Series provides safe and reliable integration of photovoltaic arrays. Built with an IP65-rated cold-rolled steel shell, it ensures waterproof, dustproof, and durable protection in harsh environments.

Product Parameters

Model	DQ1700A4-01	DQ1700A6-01	DQ 1700B8-01	DQ1700B10-01
INPUT				
Number of Max.connection PV Array	4 Strings	6 strings	8 strings	10 Strings
Max, input currentof single PV Array	15A			
Single PV array fuse	20A			
Single Pv array wire size	PG7.4mm²			
OUTPUT				
Output numbers	1(Customizable)	1/2(Customizable)		
Max. output current	60A	90AJ45A for 2 outputs	120A/60A for2 outputs	150A75A for2 outputs
Outputwire size	Pg11 10mm2	Pg11 16mm²	Pg11 25mm²	Pg11 25mm²
Max output voltage	DC500V/DC100ov(Optional)			
DC output circuit breaker	Yes			
Lightning Protector	Yes			
OTHERS				
Protection Level	Ip65			
Temperature Range	-30°C-+60°C			
N.Weight	7.5Kg	7.8Kg	9.5Kg	9.8Kg
G.Weight	8.5Kg	8.8Kg	10.6Kg	10.9Kg
Product Size	406x340×145mm²		446×420×145mm²	
Packing Size	460x440x240mm²		520x500×240mm²	
Cooling Method	Natural cooling			
Ground wire size	≥4mm²			



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04

Portable Power Station

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ENERGY BEAN - Portable Power Station

250W



Product Introduction

Clean energy in the palm of your hand.

This compact mobile energy storage system integrates a 250W AC charging unit, 250W inverter output, and 200W PV solar charging input. It's equipped with a high-performance lithium iron phosphate battery, offering safe and reliable power wherever it's needed.

Product Parameters

Model	eBean-S-250-01
Rated Power	250W
Battery	LiFePO4 314Ah/3.2V
AC Output Voltage	220V
AC Output Power	250W
AC Output Frequency	50Hz
AC Charging Power	250W
Rated AC input voltage	220V
AC Input Voltage Range	176-264VAC
PV Charging Power	200W
PV Charging Voltage Range	12-36V
Maximum PV Charging Current	20A
USB-A	5V 3A*2PCS
Type-C	12V 1.5A*1PCS
Operating Temperature	-10-+50°C
Storage Temperature	-20 -+60°C
Product Size	292*170*259mm
Weight	10kg
Warranty	3 years

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ENERGY BEAN - Compact Power Station

250W | 500W | 1000W



Geowete

Product Introduction

Clean energy in the palm of your hand.

This compact mobile energy storage system integrates a 250W AC charging unit, 250W inverter output, and 200W PV solar charging input. It's equipped with a high-performance lithium iron phosphate battery, offering safe and reliable power wherever it's needed.

Product Parameters

Model	eBean250-0	eBean500-01	eBean1000-01
Rated Power	250W	500W	1000W
Battery	LiFePO4 314Ah/3.2V	LiFePO4 314Ah/6.4V	LiFePO4 314Ah/6.4V
AC Output Voltage	220V	220V	220V
AC Output Power	250W	500W	1000W
AC Output Frequency	50Hz	50Hz	50Hz
AC Charging Power	250W	500W	1000W
Rated AC input voltage	220V	220V	220V
AC Input Voltage Range	176-264VAC	176-264VAC	176-264VAC
PV Charging Power	200W	450W	600W
PV Charging Voltage Range	12-36V	12-50V	12-55V
Maximum PV Charging Current	10A	20A	20A
Operating Temperature	-10-+50°C	-10-+50°C	-10-+50°C
Storage Temperature	-20 -+60°C	-20 -+60°C	-20 -+60°C
Product Size	310*194*137.5mm	326*216*214mm	326*210*250mm
Weight	10.1kg	16.5kg	17.5KG
Warranty	3 years	3 years	3 years

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PowerGO S - Portable Power Station

500W | 1000W | 1500W



Product Introduction

This is Geowete's series of portable mobile energy storage power supplies, integrating large-capacity storage and multi-channel output. It supports AC standard sockets, DC ports, USB/Type-C fast charging, and emergency lighting. It can be powered by mains electricity, solar energy, or vehicle power, and features BMS safety protection and pure sine wave inverter technology.

Product Parameters

Model	DQ1209A500-01	DQ1209B1000-01	DQ1209C1500-01
Inverter Power	500W	1000W	1500W
Solar Panel	41.95V 550W*1, Mono-Crystalline	41.95V 550W*2, Mono-Crystalline	41.95V 550W*2, Mono-Crystalline
LED Bulb	5W*2PCS 6000K	5W*2PCS 6000K	5W*2PCS 6000K
Battery Type	12.8V 75AH, LiFePO4	25.6V 75AH, LiFePO4	25.6V 120AH, LiFePO4
AC Output	220V 50Hz	220V 50Hz	220V 50Hz
DC Output	12V 5A, 2PCS	12V 5A, 2PCS	12V 5A, 2PCS
USB Output	5V 4A, 2PCS	5V 4A, 2PCS	5V 4A, 2PCS
Type-C	30W*2PCS	30W*2PCS	30W*2PCS
AC Charger Adapter	15V 10A (include)	29.6V 12A (include)	29.6V 12A (include)
PV Voltage	18V-90V	33V-100V	33V-100V
Max Charging Current	30A	30A	30A
Material	Metal	Metal	Metal
Product Size	320*217*293 (System Host)	475*217*326 (System Host)	475*337*326 (System Host)
Warranty	3 years	3 years	3 years

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PowerGO - Portable Power Station

500W | 1000W | 1500W



Product Introduction

Built for life on the move, the PowerGo delivers reliable, off-grid power whenever and wherever it's needed. Available in 500W, 1000W, and 1500W configurations, each unit integrates a high-efficiency LiFePO4 battery, a secure battery management system (BMS), and a built-in MPPT controller with inverter. Housed in a durable metal shell, PowerGo units are compact, lightweight, and powerful—perfect for camping, remote worksites, outdoor charging, and emergency preparedness.

Product Parameters

Model	DQ1208A500-90	DQ1208B1000-90	DQ1208C1500-90
Inverter Power	500W	1000W	1500W
Solar Panel	41.95V 550Wx1 Monocrystalline	41.95V 550Wx2 Monocrystalline	41.95V 550Wx2 Monocrystalline
Battery Type	12.8V 48AH,LiFePO4 32700	25.6V 48AH,LiFePO4 32700	25.6V 60AH,LiFePO4 32700
DC Output	12V, 2PCS	12V, 2PCS	12V,2PCS
AC Output	220V 50Hz	220V50Hz	220V50Hz
USB Output	5V 4A, 2PCS	5V 4A, 2PCS	5V 4A, 2PCS
Type-C	30W*2PCS	30W*2PCS	30W*2PCS
Luminous Efficacy	160 lm/w	160 lm/w	160 lm/w
LED Lifespan	50000 hours	50000 hours	50000 hours
Material	Metal	Metal	Metal
Product Size	320*194*267 (System Host)	415*200*280 (System Host)	525*200*315(System Host)
	920*670*30mm(Solar panel)	1150*992*35mm(Solar panel)	1960*992*45mm(Solar panel)
Weight	12.2kg	18.9kg	24.2kg
Warranty	3 Years	3 Years	3 years

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E-Pull - Portable Power Station

3KW 2.56KWH | 3KW 2.56KWH | 3KW 5KWH



Product Introduction

Designed for ultimate mobility, E-Pull delivers reliable power wherever it's needed.

Featuring a rugged wheeled design with a telescopic handle, it moves effortlessly across worksites, event spaces, and outdoor locations. Fast-charging technology brings the system to full capacity in under two hours, while its IP21-rated housing protects against dust, water splashes, shocks, and drops.
For added safety, E-Pull comes equipped with a built-in aerosol fire extinguisher and automatic sensor for active fire prevention. Whether powering tools, lighting, or emergency setups, E-Pull is the portable power solution that keeps your projects moving.

Product Parameters

Model	ePullman-3.0KW-01	ePullman-3.0KW-02	ePullman-3.0KW-10
Rated Power	3000W	3000W	3000W
Output Voltage	220VAC, 50Hz	220VAC, 50Hz	220VAC, 50Hz
Battery Type	25.6V 100AH, LiFePO4	25.6V 100AH, LiFePO4	25.6V 200AH, LiFePO4
Battery Capacity	2.56KWH	2.56KWH	5KWH
Inverter Type	Pure sine wave	Pure sine wave	Pure sine wave
Charging Time	Less than 3 hours	About 3 hours	About 6 hours
Output Socket	5-Gang 10A,Waterproof 16A	Universal socket 16A, Aviation socket 16A	Universal socket 16A, Aviation socket 16A
Charging Voltage	AC220V 50Hz	AC220V 50Hz	AC220V 50Hz
Charging current	——	30A	30A
MPPT working voltage range	——	DC33-100V	DC33-100V
Product Size	460*300*470mm	460*300*500mm	440*375*675mm
Weight	30.6kg	32kg	50kg
Warranty	3 Years	3 Years	3 Years

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Solar Cube - Portable Power Station

3000W



Product Introduction

The Solar Cube 3000 is an all-in-one solar power system with AC output, designed for reliable backup and portable energy use. It adopts advanced SPWM technology and delivers pure sine wave output for safe and stable operation.

With a built-in charge controller and compact design, it provides easy installation, dependable performance, and convenient power access for home backup, outdoor use, and emergency situations.

Product Parameters

Model	Han-3.0KW-01
Inverter Power	3000W
Battery Type	LiFePO4 25.6V 100AH
Output Voltage	220VAC/50Hz
Cigar Lighter	12V 10A*1PCS
AC Output	250V 10A*3PCS
USB Output	5V 3A*4PCS
Type-C1	60W
Type-C2	35W
Material	ABS
Product Size	507*302*410mm
Net Weight	40kg
Warranty	3 Years

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PowerGO Red - Portable Power Station

500W | 1000W



Product Introduction

lightweight, it integrates a LiFePO4 battery pack with multiple output options, ports—allowing you to power a variety of devices simultaneously.

With a charging time of 6–8 hours, durable metal + ABS construction, and a clear digital display, the PowerGo Base Series ensures safe, stable performance whether at home, outdoors, or in emergency situations.

Product Parameters

Model	DQ1413A500-02	DQ1413B1000-02
Inverter Power	500W	1000W
Battery Type	LiFePO4 12.8V 48AH	LiFePO4 12.8V 72AH
Adapter Input Voltage	220-240VAC	220-240VAC
Charging Time	6-8 Hours	6-8 Hours
DC Output	12V 5A*2PCS	12V 5A*2PCS
Cigar Lighter	12V 10A*1PCS	12V 10A*1PCS
AC Output	220V*1PCS	220V*1PCS
USB Output	18W*3PCS	18W*3PCS
PD3.0 Output	30W*1PCS	30W*1PCS
Material	Metal+ABS	Metal+ABS
Product Size	340*220*183.5mm (System Host)	480*220*183.5mm (System Host)
Warranty	3 Years	3 Years

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PowerGO Pro - Portable Power Station

1000W | 1500W



Product Introduction

The PowerGo Enhanced Series (1000W / 1500W) takes portable solar power to the next level. Building on the reliability of the original PowerGo range, it delivers higher output capacity and stronger performance for more demanding applications.

Equipped with advanced SPWM technology and pure sine wave AC output, the Enhanced Series ensures safe, stable power for sensitive electronics and larger household appliances. Its compact, portable design with a built-in charge controller makes setup simple and operation dependable.

From outdoor adventures to emergency backup and small business use, the PowerGo Enhanced Series provides clean, reliable energy—anytime, anywhere.

Product Parameters

Model	DQ1412A1000-01	DQ1412B1500-01
Inverter Power	1000W	1500W
Battery Type	LiFePO4 12.8V 84AH	LiFePO4 25.6V 72AH
AC Charging Input Voltage	220-240VAC	220-240VAC
Product Size	380*190*285mm(system Host)	500*190*285mm(system Host)
Solar Panel	18V 180W,Monocrystalline (Solar panel is an optional which not included in the price)	36V 360W,Monocrystalline (Solar panel is an optional which not included in the price)
DC Output	12V*4PCS	
AC Output	220V*2PCS	
USB Output	5V 3A*2PCS	
Qc Output	18W*1PCS	
PD3.0 Output	30W*1PCS	
Material	Aluminum	

PowerGO Mini - Portable Power Station

300W | 500W



Product Introduction

The PowerGo Mini Series is the ultra-portable model in the PowerGo family, designed for users who need clean energy on the move. With its lightweight build, integrated handle, and compact design, it can be carried anywhere with ease—making reliable solar power truly mobile.

Despite its small size, the PowerGo Mini is equipped with durable $LiFePO_4$ batteries and multiple output options, including AC, DC, USB, and PD ports. It can power everyday essentials such as lights, fans, radios, and laptops, while also serving as a dependable backup in emergencies.

Product Parameters

Model	DQ1411A300-02	DQ1411B500-02
Solar Panel	18V 60W,Polycrystalline	18V 90W,Polycrystalline
Battery Type	LiFePO4 12.8V 18AH	LiFePO4 12.8V 36AH
	(Solar panel is an optional which not included in the price)	
Charging Time	6-8 Hours	
Discharging Time	1-30days(depend on the power of device)	
AC Input	10V/24V*1PCS	
DC Output	12V 5A*2PCS	
Ciger lighter	12V 5A*1PCS	
AC Output	220V*1PCS	
USB Output	12W*2PCS+18W*1PCS	
PD3.0 Output	18W*1PCS	
Material	Metal+ABS	
Product Size	219*173*187mm(System Host)	241*216*187mm(System Host)
Warranty	3 Years	

PowerGO SE - Portable Power Station

500W



Product Introduction

Smart Solar Energy,Pay as You Go

The PowerGo SE one smart solar power system designed for regions where stable electricity access is limited. Built with an integrated keypad pay-as-you-go module, it enables flexible and affordable energy access—users can enjoy clean solar power without the burden of upfront costs.

Powered by high-quality LiFePO4 batteries and a reliable solar charge controller, the PowerGo SE ensures long service life, stable output, and comprehensive protection. Its digital display clearly indicates system status and remaining usage time, helping users and distributors manage power access with ease.

Product Parameters

Model	DQ1901B500-21
Inverter Power	500W
Battery	LiFePO4,12.8V 63AH
Solar Panel	18V 180W, Mono-Crystalline
Charge and Discharge Controller	12V 10A
DC & AC Output	DC12V & DC5V & AC220V
Output Wave(Battery/PV Mode)	Pure Sine Wave
Keypad	4*4 Keypad,Code input
Display	AC220V Display&Battery DC Display&Remaining Days Display

PowerGo Solar – Portable Power Station

30W | 40W | 50W



Product Introduction

The PowerGo Lite Solar (30W | 40W | 50W) is an all-in-one entry-level solar power kit, combining a compact power station with its own high-efficiency solar panels. Designed for households and communities without stable grid access, it turns sunlight directly into reliable energy for daily needs.

With its portable size and plug-and-play solar panels, PowerGo Lite Solar makes clean energy easy and accessible—powering lights, radios, fans, and mobile devices anytime, anywhere.

Product Parameters

Mode	0928A30-01	0928A40-02	0928B50-01
LED Lamp	3W bulb 4PCS,with 4m cable.6000K	3W bulb 2PCS,with 4m cable,6000K 5W bulb 2PCS,with 4m cable.6000K	3W bulb 4PCS,with 4m cable.6000K
Solar Panel Type	18V 18W.Polycrystalline,7m cable	18V 30W.Polycrystalline,7m cable	18V 54W,Polycrystalline,5m cable
Battery Type	Lead-acid battery 12V 7AH	Lead-acid battery 12V 12AH	Lead-acid battery 12V 20AH
Charging Time	6-8 Hours	6-8 Hours	6-8 Hours
Discharging Time	30-36 Hours	30-36 Hours	30-36 Hours
LED	160lm/w	160lm/w	160lm/w
USB Output	5V 1A 1pcs	5V 1A lpcs	5V 1A 4pcs
Material	Iron	Iron	Iron
Product Size	130*128*222mm	130*128*222mm	250*150*210mm
Warranty	3Years	3 Years	3 Years

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Portable Solar Power System

20W | 40W | 60W



Product Introduction

LED solar home lighting system is an off-grid solar generator designed to provide stable and reliable power to homes and communitiesor areas without electricity.The small solar system is characterized by convenient movement, easy installation, and reliable performance, which is very suitable forsituations requiring emergency power.

Product Parameters

Model	0285A20-01	0285A20-08	0285B40-01	0285C60-01
LED Lamp	2835 LED 15PCS 6000K	2835 LED 15PCS 6000K	2835 LED 15PCS 6000K	2835 LED 15PCS 6000K
LED Lamp	5730 LED 36PCS 6000K	5730 LED 36PCS 6000K	5730 LED 36PCS 6000K	5730 LED 36PCS 6000K
LED Bulb	5W bulb 3pcs, with 5m cable,6000K	5W bulb 1pcs, with 5m cable,6000K	5W bulb 3pcs, with 5m cable,6000K	5W bulb 3pcs, with 5m cable,6000K
Solar Panel	6V 12W,Polycrystalline	6V10W,Polycrystalline	6V 18W,Polycrystalline	6V28W,Polycrystalline
Battery Type	LiFePO4 3.2V 12AH	LiFePO4 3.2V 12AH	LiFePO4 3.2V 18AH	LiFePO4 3.2V 24AH
Charging Time	6-8 hours	6-8 hours	6-8 hours	6-8 hours
Discharging Time	10-24 hours	10-24 hours	10-24 hours	10-24 hours
LED	160lm/w	160lm/w	160lm/w	160lm/w
USB Output	5V 2.5A 1pcs	5V 2.5A 1pcs	5V 2.5A 1pcs	5V 2.5A 1pcs
Material	PVC+PC	PVC+PC	PVC+PC	PVC+PC
Product Size	146*77*136mm(System Host)	226*77*136mm(System Host)	166*77*136mm(System Host)	226*77*136mm(System Host)
Warranty	3 years	3 years	3 years	3 years

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Portable Solar Power System

20W



Option 1



Support FM radio function/U disk/SD card

Option 2



Support lighting/U disk/SD card

Product Introduction

aportable device that utilizes solar panels to convert sunlight into electrical energy,which designed to store this energy in a built-inbattery. The compact and portable nature of the handbag design makes it easy to carry around, allowing users to charge theirdevices such as smartphones, tablets, cameras, and other USB-compatible devices.

Product Parameters

Model	0464A20-10	0464A20-20	0464A20-30
LED Bulb	5W bulb 3pcs,with 5m cable,6000K	5W bulb 3pcs,with 5m cable,6000K	5W bulb 1pcs,with 5m cable,6000K
Solar Panel	6V 18W, Polycrystalline	6V 18W, Polycrystalline	6V 12W, Polycrystalline
Battery Type	LiFePO4 3.2V 18AH	LiFePO4 3.2V 18AH	LiFePO4 3.2V 12AH
Charging Time	6-8 hours	6-8 hours	6-8 hours
Discharging Time	10-24 hours	10-24 hours	10-24 hours
LED	160 lm/w	160 lm/w	160 lm/w
Radio	Support FM radio function/U disk/SD card	lighting：2W 6000k	lighting：2W 6000k
Material	ABS	ABS	ABS
System Host Size	180*80*204mm	180*80*204mm	180*80*204mm
Solar Panel Size	341*340*18mm	341*340*18mm	341*340*18mm
Warranty	3 years	3 years	3 years

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Portable Solar Power System

30W | 40W | 50W



Product Introduction

This product is a type of portable micro generation system which is designed for no or lack of electricity area. It can be used at home,outside or commercial area, field operation, camping, breeding industry, farm, night market and agritainment,etc.It also can be used asemergency lighting.

Product Parameters

Model	0354A30-01	0354B40-01	0354C50-01
Battery Type	Gel 84WH	Gel 144WH	Gel 216WH
Solar Panel Type	Poly 20W 18V	Poly 30W 18V	Poly 54W 18V
Dc Output	4PCS OF12V DC OUTLET	4PCS OF 12V DC OUTLET	4PCS OF 12V DC OUTLET
Usb Output	3PCS OF 5V USB OUTLET	3PCS OF 5V USB OUTLET	3PCS OF 5V USB OUTLET
Dc Input	18V Panel/Adapter	18V Panel/Adapter	18V Panel/Adapter
Fm Radio	14 Radio Stations	14 Radio Stations	14 Radio Stations
Aux	External Audio signa Input	External Audio Signal Input	External Audio Signal Input
Led Bulb	3PCS OF LED Bulb	3PCS OF LED Bulb	3PCS OF LED Bulb
Led Lumen	160lm/w	160lm/w	160lm/w
Color Temperature	6000K	6000K	6000K
Led Lifespan	50000H	50000H	50000H
Operating Temperature	-10°C-60°C	-10°C-60°C	-10°C-60°C
Storage Temperature	-15°C-50°C	-15°C-50°C	-15°C-50°C
Products Size	242*105*154mm	252*137*174mm	282*137*209mm

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Portable Solar Power System

8W



Product Introduction

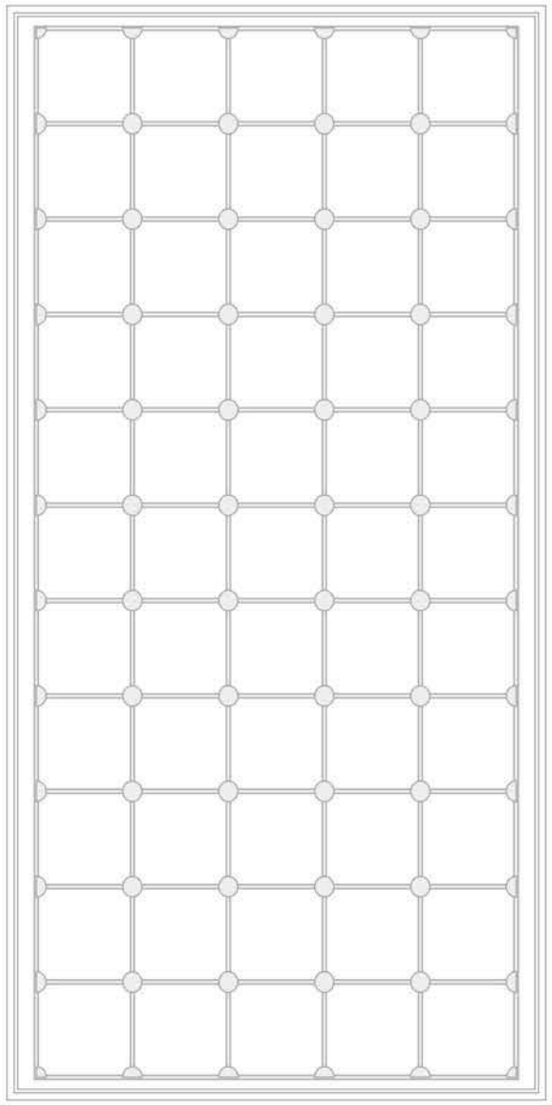
LED solar home lighting system is an off-grid solar generator designed which provide stable and reliable power to homes and communities or areas without electricity.The small solar system is characterized by convenient movement,easy installation, and reliable performance which is very suitable forsituations requiring emergency power.

Product Parameters

Model	0336A08-02
LED Lamp	Built in lamp 4w,6000K
LED Bulb	3W bulb 3pcs,with 4m cable,6000K
Solar Panel	9V 3W,Polycrystalline
Battery Type	Lead-acid battery 6V 4AH
Charging Time	6-8 hours
Discharging Time	10-24 hours
LED Luminous Efficiency	160lm/w
USB Output	5V 1A 1PCS
AC Charge Input	AC110/220V 50/60Hz
Material	PVC+PC
Product Size	172*126*76mm (System Host)
CTN/Size	575*370*340mm 12pcs/CTN
G.w/CTN	21.5KG

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05

Solar Panels

* ONE-STOP SOLAR ENERGY SYSTEM SOLUTION *

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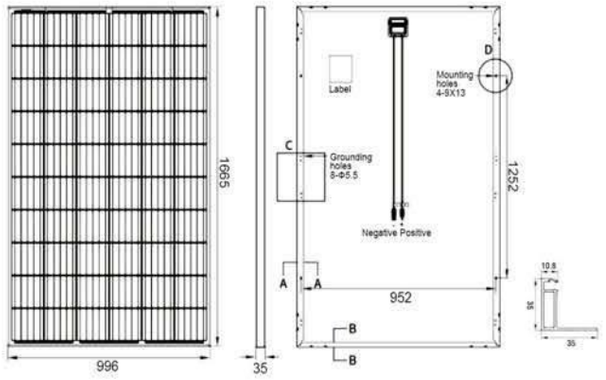
Monocrystalline

ST-P-M-(310-330)



- Excellent power generation performance
- Stable mechanical performance Passed
- Advanced production proc ess
- Superior quality control

Mechanical Diagrams



Specifications

SolarCells	Monocrystalline
No.Of Cells	60(6x10)
Dimensions	1665x996x35mm
Weight	17.8kgs
Junction Box	IP6 8,3 Diodes
Cables	4.0㎡
Connectors	QC4.10-35(1500V)

Electrical Data(stc)

Peak Power Watts-PMAX (Wp)	310	315	320	325	330
Power Tolerance-PMAX(W)			0~ +5		
Maximum Power Voltage-VM PP(V)	32.29	32.68	32.96	33.20	33.43
Maximum Power Current -IMPP(A)	9.57	9.64	9.71	9.79	9.87
Open Circuit Voltage-V OC (V)	39.57	40.01	40.44	40.87	41.22
Short Circuit Current -ISC(A)	10.07	10.12	10.17	10.22	10.29
Module Efficiency (%)	18.7	19.0	19.3	19.6	19.9

STC: Irrdiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5.

Lectrical Data (noct)

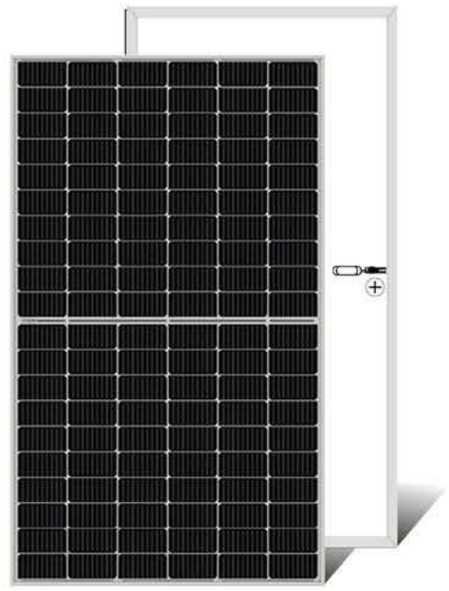
Maximum Power-PMAX(Wp)	230	234	238	241	245
Maximum Power Voltage -VMPP (V)	30.14	30.40	30.66	30.88	31.10
Maximum Power Current -IMPP (A)	7.66	7.71	7.77	7.83	7.90
Open Circuit Voltage -VOC (V)	37.1	37.52	37.93	38.33	38.66
Short Circuit Current-IS C (A)	18.12	8.16	8.21	8.25	8.30

NOCT: Irradiance at800W/m², Ambient Temperature20°C , Wind Speed 1m/s.

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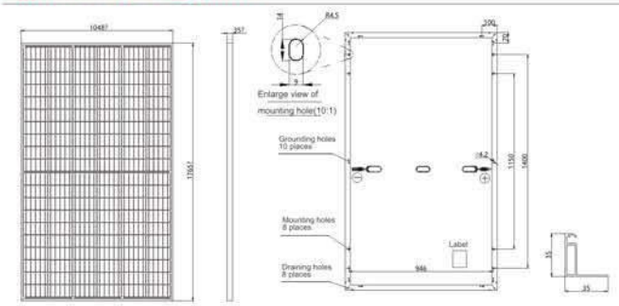
Monocrystalline

ST-P-M-(350-370)



- Excellent power generation performance
- Stable mechanical performance Passed
- Advanced production proc ess
- Superior quality control

Mechanical Diagrams



Electrical Data(stc)

Peak Power Watts-PMAX (Wp)	350	355	360	365	370
Power Tolerance-PMAX (W)			0~ +5		
Maximum Power Voltage -VMPP (V)	33.3	33.5	33.7	33.9	34.1
Maximum Power Current -IMPP (A)	10.52	10.61	10.69	10.78	10.86
Open Circuit Voltage -VOC (V)	40.0	40.2	40.4	40.6	40.8
Short Circuit Current -ISC (A)	11.28	11.33	11.40	11.47	11.54
Module Efficiency (%)	18.9	19.2	19.5	19.7	20.0

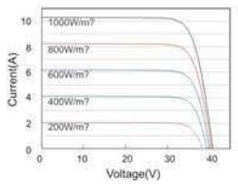
STC: Irrdiance 1000W/m² , Cell Temperature 25°C, Air Mass AM1.5.

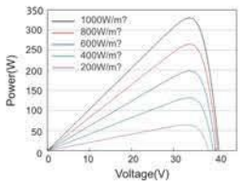
Lectrical Data (noct)

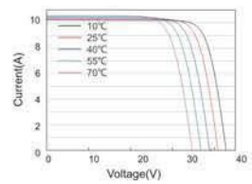
Maximum Power-PMAX(Wp)	261	265	269	272	276
Maximum Power Voltage -VMPP (V)	31.0	31.2	31.4	31.6	31.8
Maximum Power Current -IMPP (A)	8.41	8.48	8.55	8.62	8.68
Open Circuit Voltage -VOC (V)	37.6	37.8	38.0	38.2	38.4
Short Circuit Current -ISC (A)	9.10	9.14	9.20	9.25	9.31

NOCT: Irradiance at800W/ m², Ambient Temperature20°C , Wind Speed 1m/s.

Characteristics







Specifications

SolarCells	Monocrystalline
No.Of Cells	120(6x20)
Dimensions	1755*1038*35mm
Weight	20.5kgs
Junction Box	IP68,3 Diodes
Cables	4.0㎡
Connectors	QC4.10-35(1500V)

Temperature Ratings

NOCT(Nominal Operating Cell Temperature)	43°C (+2°C)
Temperature Coe-cient of PMAX	- 0.34%/°C
Temperature Coe-cient of VOC	- 0.25%/°C
TemperatureCoe-cientofISC	0.04%/°C

Maximumratings

Operational Temperature	-40~+85°C
Maximum System Voltage	1500V DC (IEC)
Max Series Fuse Rating	30A

Warranty

12 year Product Workmanship Warranty
25 year Power Warranty
0.55% Annual Power Attenuation
2% first year degradation

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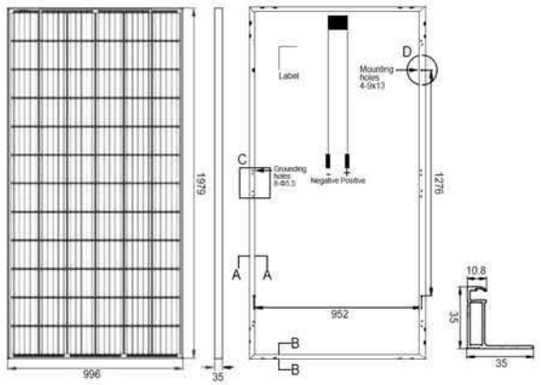
Monocrystalline

ST-P-M-(380-400)



- Excellent power generation performance
- Stable mechanical performance Passed
- Advanced production proc ess
- Superior quality control

Mechanical Diagrams



Specifications

SolarCells	Monocrystalline
No.Of Cells	72(6x12)
Dimensions	1979*996*35mm
Weight	21.5kgs
Junction Box	IP6 8,3 Diodes
Cables	4.0㎡
Connectors	QC4.10-35(1500v)

Electrical Data(stc)

Peak Power Watts-PMAX (Wp)	380	385	390	395	400
Power Tolerance-PMAX(W)			0~ +5		
Maximum Power Voltage-VM PP(V)	39.43	39.65	39.87	40.05	40.21
Maximum Power Current -IMPP(A)	9.64	9.71	9.79	9.87	9.95
Open Circuit Voltage-V OC (V)	48.54	48.80	49.06	49.32	49.58
Short Circuit Current -ISC(A)	10.12	10.17	10.22	10.29	10.36
Module Efficiency (%)	19.3	19.5	19.8	20.0	20.3

STC: Irrdiance 1000W/m² , Cell Temperature 25°C, Air Mass AM1.5.

Lectrical Data (noct)

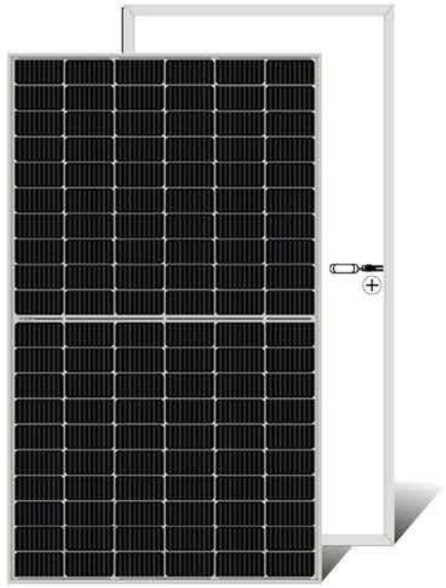
Maximum Power-PMAX(Wp)	282	286	290	294	298
Maximum Power Voltage -VMPP (V)	36.67	36.89	37.06	37.23	37.44
Maximum Power Current -IMPP (A)	7.71	7.77	7.83	7.90	7.96
Open Circuit Voltage -VOC (V)	45.52	45.77	46.01	46.25	46.49
Short Circuit Current-IS C (A)	8.16	8.21	8.25	8.30	8.35

NOCT: Irradiance at800W/ m², Ambient Temperature20°C , Wind Speed 1m/s.

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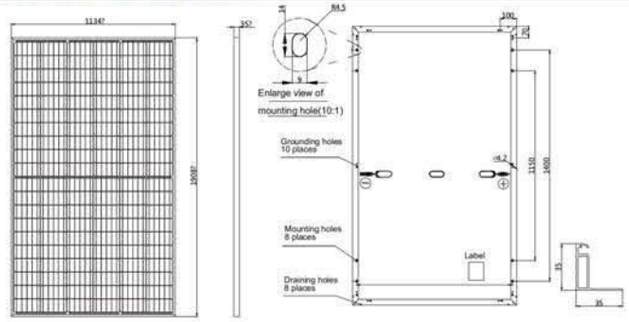
Monocrystalline

ST-P-M-(440-460)



- Excellent power generation performance
- Stable mechanical performance Passed
- Advanced production proc ess
- Superior quality control

Mechanical Diagrams



Specifications

SolarCells	Monocrystalline
No.Of Cells	120(6x20)
Dimensions	1908*1134*35mm
Weight	20.5kgs
Junction Box	IP68,3 Diodes
Cables	4.0㎡
Connectors	QC4.10-35(1500V)

Temperature Ratings

NOCT(Nominal Operating Cell Temperature)	43°C (+2°C)
Temperature Coe-cient of PMAX	- 0.34%/°C
Temperature Coe-cient of VOC	- 0.25%/°C
TemperatureCoe-cientofISC	0.04%/°C

Maximumratings

Operational Temperature	-40~+85°C
Maximum System Voltage	1500V DC (IEC)
Max Series Fuse Rating	30A

Electrical Data(stc)

Peak Power Watts-PMAX (Wp)	440	445	450	455	460
Power Tolerance-PMAX (W)			0~ +5		
Maximum Power Voltage -VMPP (V)	33.72	33.82	33.91	34.06	34.20
Maximum Power Current -IMPP (A)	13.05	13.16	13.27	13.36	13.45
Open Circuit Voltage -VOC (V)	41.02	41.10	41.18	41.33	41.48
Short Circuit Current -ISC (A)	13.73	13.79	13.85	13.93	14.01
Module Efficiency (%)	20.3	20.5	20.8	21.0	21.2

STC:Irrdiance1000W/m² ,CellTemperature25°C,AirMassAM1.5.

Lectrical Data (noct)

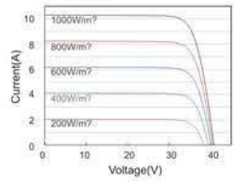
Maximum Power-PMAX(Wp)	330	333	337	341	345
Maximum Power Voltage -VMPP (V)	32.10	32.24	32.38	32.52	32.66
Maximum Power Current -IMPP (A)	10.28	10.33	10.41	10.48	10.56
Open Circuit Voltage -VOC (V)	39.01	39.09	39.18	39.26	39.35
Short Circuit Current -ISC (A)	11.15	11.20	11.24	11.29	11.33

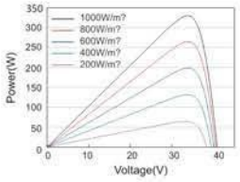
NOCT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1mls.

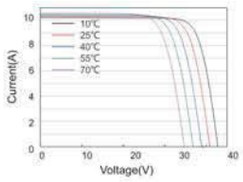
Warranty

12 year Product Workmanship Warranty
25 year Power Warranty
0.55% Annual Power Attenuation
2% first year degradation

Characteristics





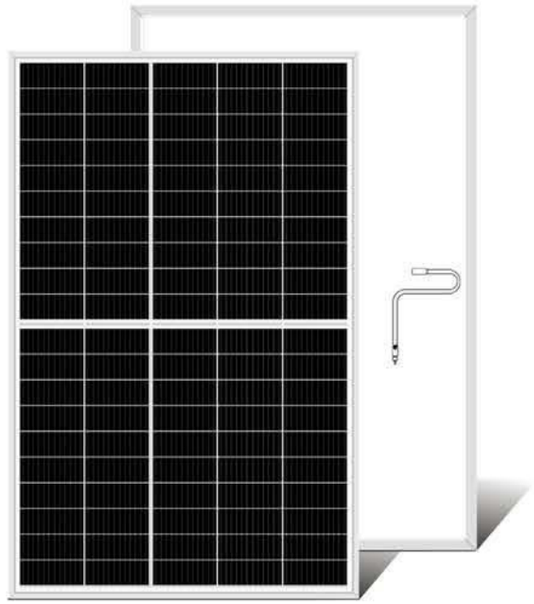


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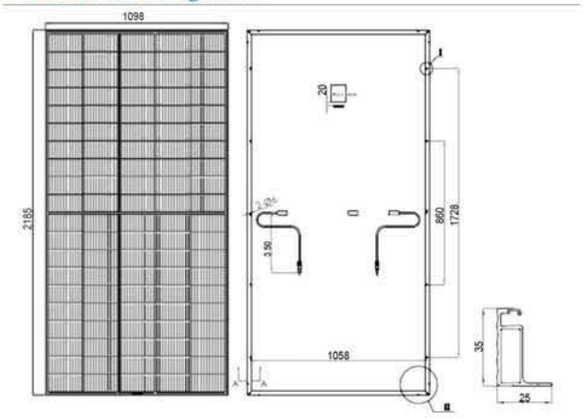
Monocrystalline

ST-P-M-(485-505)



- +5W POSITIVE — Excellent power generation performance
- Stable mechanical performance Passed
- Advanced production proc ess
- Superior quality control

Mechanical Diagrams



Specifications

SolarCells	Monocrystalline
No.Of Cells	100
Dimensions	2185×1098×35mm
Weight	26.5kgs
Junction Box	IP6 8,3 Diodes
Cables	4.0㎡
Connectors	QC4.10-35(1500v)

Electrical Data(stc)

Peak Power Watts-PMAX (Wp)	485	490	495	500	505
Power Tolerance-PMAX (W)			0~ +5		
Maximum Power Voltage -VMPP (V)	28.2	28.4	28.6	28.8	29.0
Maximum Power Current -IMPP (A)	17.19	17.25	17.31	17.36	17.42
Open Circuit Voltage -VOC (V)	33.9	34.1	34.3	34.5	34.7
Short Circuit Current -ISC (A)	18.31	18.39	18.47	18.55	19.63
Module Efficiency (%)	20.2	20.4	20.6	20.8	21.0

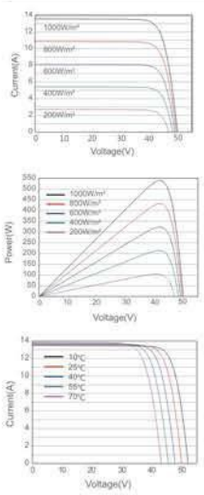
STC:Irrdiance1000W/m² ,CellTemperature25°C,AirMassAM1.5.

Lectrical Data (noct)

Maximum Power-PMAX(Wp)	366	370	374	378	382
Maximum Power Voltage -VMPP (V)	25.6	25.8	26.0	26.2	26.4
Maximum Power Current -IMPP (A)	14.29	14.34	14.38	14.42	14.47
Open Circuit Voltage -VOC (V)	31.5	31.7	31.9	32.1	32.3
Short Circuit Current-IS C (A)	15.04	15.12	15.20	15.28	15.36

NOCT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

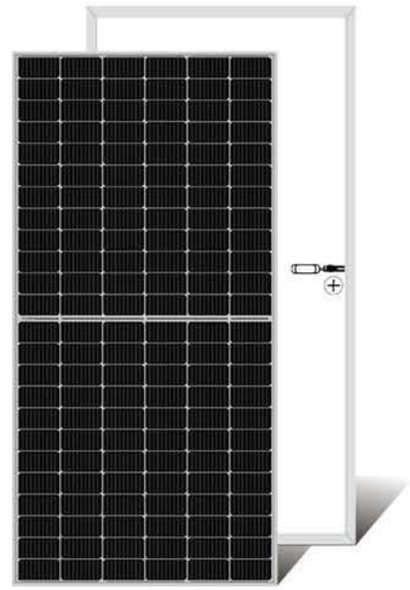
Characteristics



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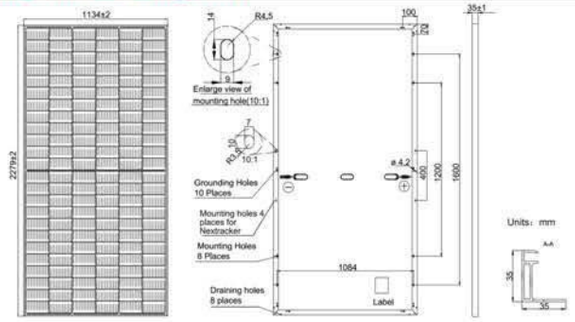
Monocrystalline

ST-P-M-(530-550)



- +5W POSITIVE — Excellent power generation performance
- Stable mechanical performance Passed
- Advanced production proc ess
- Superior quality control

Mechanical Diagrams



Specifications

SolarCells	Monocrystalline
No.Of Cells	144(6×24)
Dimensions	2279x1134×35mm
Weight	28.6kgs
Junction Box	IP68,3 Diodes
Cables	4.0㎡
Connectors	QC4.10-35

Temperature Ratings

NOCT(Nominal Operating Cell Temperature)	43°C (+2°C)
Temperature Coe-cient of PMAX	- 0.34%/°C
Temperature Coe-cient of VOC	- 0.25%/°C
TemperatureCoe-cientofISC	0.04%/°C

Maximumratings

Operational Temperature	-40~+85°C
Maximum System Voltage	1500V DC (IEC)
Max Series Fuse Rating	30A

Warranty

12 year Product Workmanship Warranty
25 year Power Warranty
0.55% Annual Power Attenuation
2% first year degradation

Electrical Data(stc)

Peak Power Watts-PMAX (Wp)	530	535	540	545	550
Power Tolerance-PMAX (W)			0~ +5		
Maximum Power Voltage -VMPP (V)	41.31	41.47	41.64	41.80	41.96
Maximum Power Current -IMPP (A)	12.83	12.9	12.97	13.04	13.11
Open Circuit Voltage -VOC (V)	49.30	49.45	49.60	49.75	49.90
Short Circuit Current -ISC (A)	13.72	13.79	13.86	13.93	14.00
Module Efficiency (%)	20.5	20.7	20.9	21.1	21.3

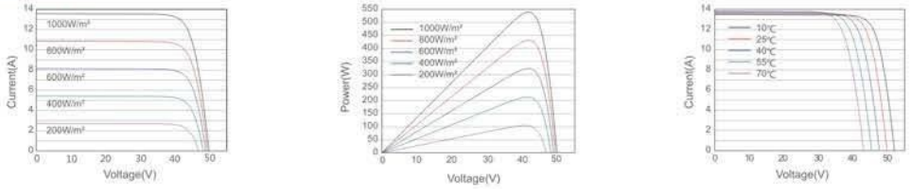
STC:Irrdiance1000W/m² ,CellTemperature25°C,AirMassAM1.5.

Lectrical Data (noct)

Maximum Power-PMAX(Wp)	401	405	408	412	416
Maximum Power Voltage -VMPP (V)	38.57	38.78	38.99	39.20	39.43
Maximum Power Current -IMPP (A)	10.39	10.43	10.47	10.51	10.55
Open Circuit Voltage -VOC (V)	46.18	46.31	46.43	46.55	46.68
Short Circuit Current -ISC (A)	11.01	11.05	11.09	11.13	11.17

NOCT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1mls.

Characteristics

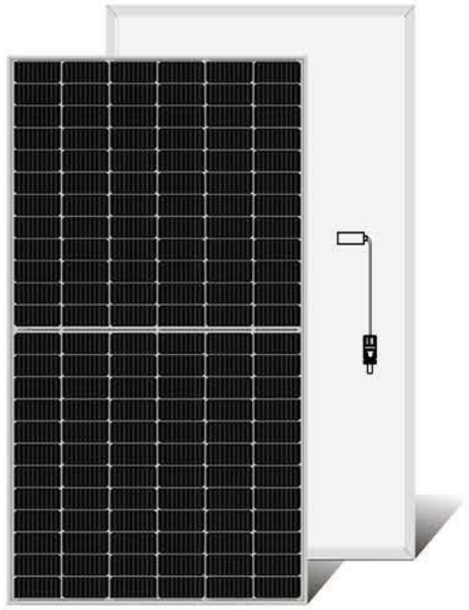


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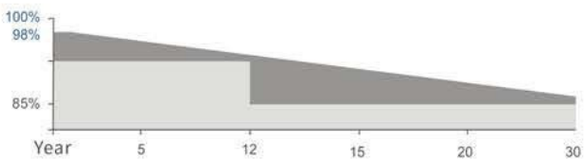
Monocrystalline

ST-P-M-(585-605)



- Half-cut Technology
- Lower cost
- Significantly avoiding heat spot
- Excellent performance of PID resistance

Warranty



12 YEARS Guarantee on product materail and workmanship

30 YEARS Linear Power output warranty

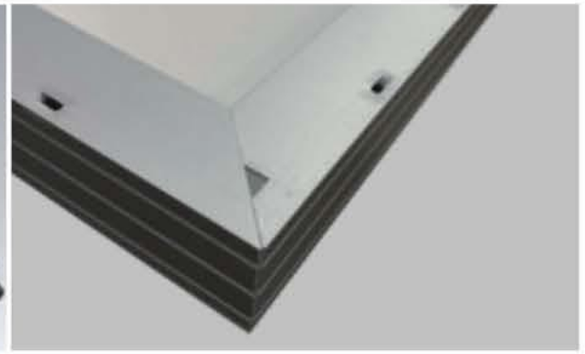
Qualifications And Certificates

·IEC61215 / · IEC61730



Junctionbox

Waterproof protection grade:IP67/IP68
Safety Level: Class II
Maximum System Voltage: 1500V
outstanding waterproof level
Effectively resist harsh environments

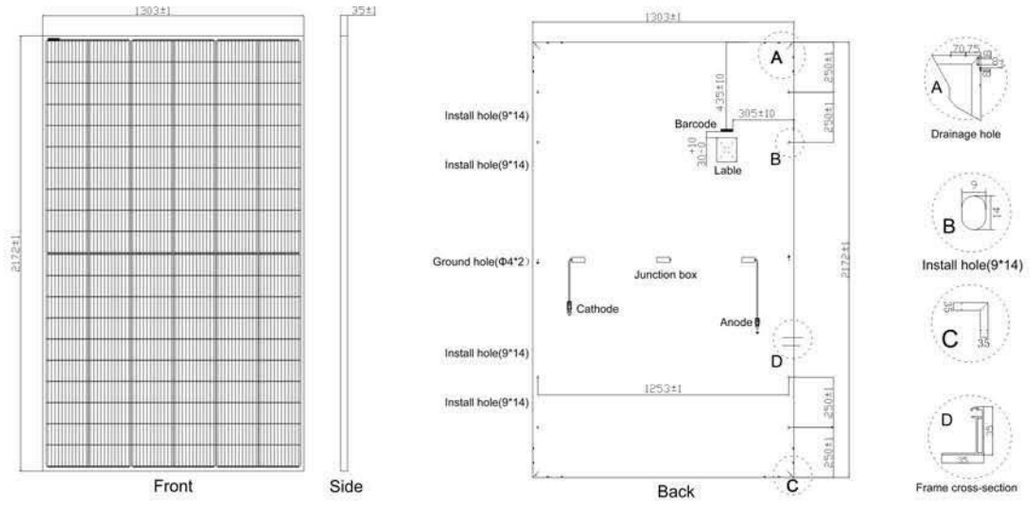


Frame

Strong machinical load
resistance up to 5400Pa
Anodic oxidation layer resistant to
chemical corrosion available
in silver and black

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PV DRAWINGS



ELECTRICAL DATA(STC)

Model Type	AU585-30V -MH	AU590-30V -MH	AU595-30V -MH	AU600-30V -MH	AU605-30V -MH
Peak Power(Pmax)	585.00	590.00	595.00	600.00	605.00
Maximum Power Voltage(Vmp)	33.80	33	34.20	34.40	34.60
Maximum Power Current(Imp)	17.31	17.35	17.40	17.44	17.49
Open Circuit Voltage(Voc)	40.90+3%	40.10+3%	40.3+3%	41.50+3%	41.70+3%
Short Circuit Current(Isc)	18.37+3%	18.42+3%	18.47+3%	18.52+3%	18.57+3%
Module Efficiency(%)	20.67	20.84	21.02	21.20	21.37

* STC: irradiance 1000 W/m², AM 1.5, and cell temperature of 25°C

LECTRICAL DATA (NOCT)

Model Type	AU585-30V -MH	AU590-30V -MH	AU595-30V -MH	AU600-30V -MH	AU605-30V -MH
Peak Power(Pmax)	443.00	447.0	451.0	454.0	458.0
Maximum Power Voltage(Vmp)	31.50	31.7	31.90	32.00	32.20
Maximum Power Current(Imp)	14.05	14.09	14.13	14.18	14.22
Open Circuit Voltage(Voc)	38.50+3%	38.70+3%	38.90+3%	39.10+3%	39.30+3%
Short Circuit Current(Isc)	14.81+3%	14.85+3%	14.88+3%	14.92+3%	14.96+3%

* NOCT: irradiance 800 W/m², AM 1.5, ambient temperature 20°C, wind speed 1 m/s

TEMPERATURE& MAXIMUM RATING

Maximum System Voltage (V)	1500V
Maximum Series Fuse Rating (A)	30 A
Power Tolerance	0~+3W
Pmax Temperature Coefficients (W/°C)	-0.340 %/°C
Voc Temperature Coefficients (V/°C)	-0.250 %/°C
Isc Temperature Coefficients (A/°C)	+0.040 %/°C
NOCT Nominal Operating Cell Remperature (°C)	45+2°C
Operating and Storage Temperature (°C)	-40~+85 °C

MECHANICAL CHARACTERISRTICs

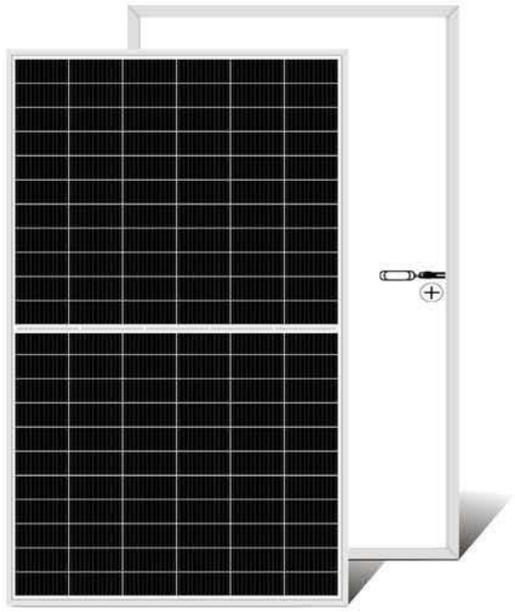
Cell Type	210*105 Mono
No. of Cells	120 (12*10)
Dimensions	2172*1303*35mm
Weight	30.90kg
Front Glass	3.2mm high transmission, low iron, tempered glass
Frame	Anodized Aluminium Alloy
Junction box	IP67/IP68 3diodes
Output cables	4mm2 cable 35cm (Inlcuding MC4 connector)
MaxWind Load/Snow Load	2400Pa/5400Pa

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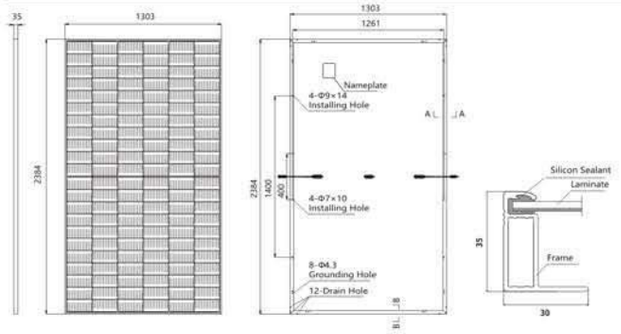
Monocrystalline

ST-P-M-(650-670)



- Excellent power generation performance
- Stable mechanical performance Passed
- Advanced production proc ess
- Superior quality control

Mechanical Diagrams



Specifications

SolarCells	Monocrystalline
No.Of Cells	132(6×22)
Dimensions	2384x1303x35mm
Weight	35.7kgs
Junction Box	IP68,3Diodes
Cables	4.0㎡
Connectors	QC4.10-35(1500v)

Temperature Ratings

NOCT(Nominal Operating Cell Temperature)	43°C (+2°C)
Temperature Coe-cient of PMAX	- 0.34%/°C
Temperature Coe-cient of VOC	- 0.25%/°C
TemperatureCoe-cientofISC	0.04%/°C

Electrical Data(stc)

Peak Power Watts-PMAX (Wp)	650	655	660	665	670
Power Tolerance-PMAX (W)			0~ +5		
Maximum Power Voltage -VMPP (V)	37.4	37.6	37.8	38.0	38.2
Maximum Power Current -IMPP (A)	17.39	17.43	17.47	17.51	17.55
Open Circuit Voltage -VOC (V)	45.3	45.5	45.7	45.9	46.1
Short Circuit Current -ISC (A)	18.44	18.48	18.53	18.57	18.62
Module Efficiency (%)	20.9	21.1	21.2	21.4	21.6

STC:Irrdiance1000W/m², CellTemperature25°C,AirMassAM1.5.

Packaging

Modules per box:	31 pieces
Modules per 40' container:	558 pieces

Lectrical Data (noct)

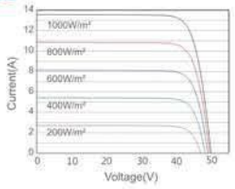
Maximum Power-PMAX(Wp)	492	496	500	504	508
Maximum Power Voltage -VMPP (V)	34.9	35.1	35.3	35.4	35.6
Maximum Power Current -IMPP (A)	14.09	14.13	14.17	14.22	14.26
Open Circuit Voltage -VOC (V)	42.7	42.9	43.0	43.2	43.4
Short Circuit Current -ISC (A)	14.86	14.89	14.93	14.96	15.01

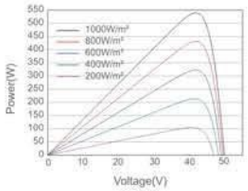
NOCT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1mls.

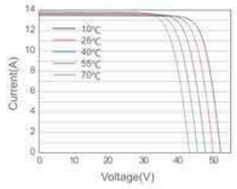
Warranty

12 year Product Workmanship Warranty
25 year Power Warranty
0.55% Annual Power Attenuation
2% first year degradation

Characteristics



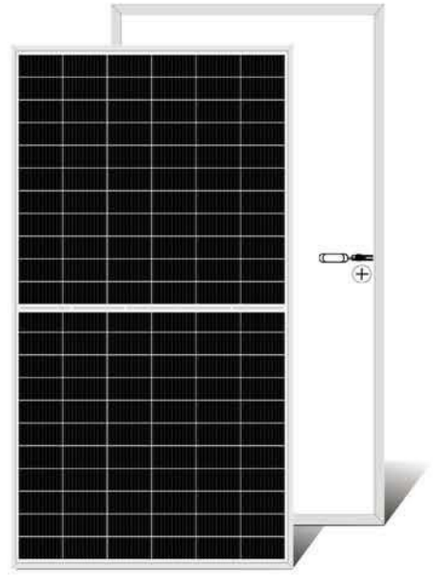




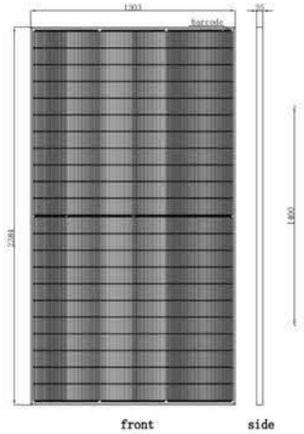
Geowete Enterprise Limited

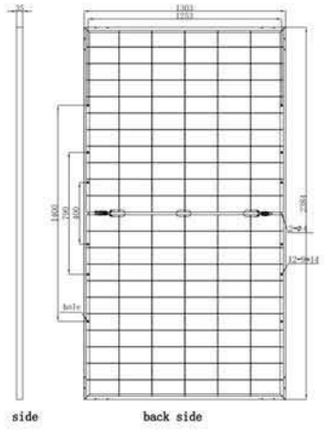
Monocrystalline

ST-P-M-(680-720)



- M Busbar Solar Cell
- High Voltage
- High Effciency
- Low-light Performance
- Durability of Extreme Conditions
- Severe Weather Resilience





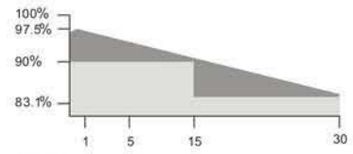
Power(w)	680	690	700	710	720
Number of Cells	132(6*22)	132（6*22）	132（6*22）	132（6*22）	132（6*22）
Dimensions(MM)	2384*1303*35	2384*1303**35	2384*1303**35	2384*1303**35	2384*1303**35
Weight(KG)	34.5	34.5	34.5	34.5	34.5
Vmp(v)	40.50	40.70	40.90	41.10	41.30
Imp (A)	16.79	16.95	17.11	17.27	17.43
Voc(v)	46.30	46.40	46.50	46.60	46.70
Isc(A)	18.11	18.23	18.32	18.45	18.54
Module Efficiency	21.8%	22.1%	22.4%	22.7%	23.0%

Mono Crystalline Essential Parameter（STC 1000W/㎡ Module Temperature 25°C A.M.1.5）

Power(w)	518.81	526.44	534.07	541.69	549.32
Number of Cells	132(6*22)	132(6*22)	132(6*22)	132(6*22)	132(6*22)
Dimensions(MM)	2384*1303*35	2384*1303*35	2384*1303*35	2384*1303*35	2384*1303*35
Weight(KG)	34.5	34.5	34.5	34.5	34.5
Vmp(v)	37.87	38.05	38.24	38.43	38.62
Imp (A)	13.70	13.83	13.97	14.10	14.23
Voc(v)	43.38	43.48	43.57	43.66	43.76
Isc(A)	14.82	14.91	14.99	15.09	15.17
Module Efficiency	21.8%	22.1%	22.4%	22.7%	23.0%

Mono Crystalline Essential Parameter（NOCT 800W/㎡ Environment Temperature 20°C）

Warranty



12 12 year product warranty

30 30 year linear power warranty

Temperature Ratings

Rated battery operating temperature	45±2°C
Maximum power temperature coeffcient	-0.310%/°C
Open circuit voltage temperature coeffcient	-0.26%/°C
Short circuit current temperature coeffcient	+0.046%/°C

Limit Parameter

Operating temperature	-40-+85
Maximum system voltage	°C1500VDC
Maximum fuse rated current	30A

Mechanical Characteristics

Front	Glass 3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68 rated
Connectors	MC4 compatible

Packing Configuration

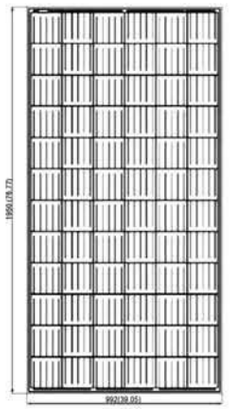
Container	20GP	40HQ
Pallets per container	4	31
Pieces per container	164	558

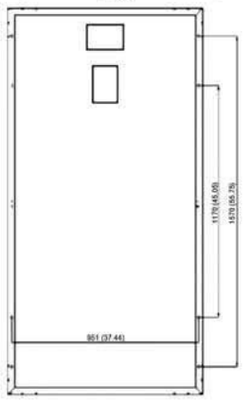
Polycrystalline

ST-P-P-(320-340)



- +5W POSITIVE — Excellent power generation performance
- Stable mechanical performance Passed
- Advanced production proc ess
- Superior quality control





Mechanical Diagrams

STC	ST-P-P320	ST-P-P325	ST-P-P330	ST-P-P335	ST-P-P340
Nominal Maximum	320W	325W	330W	335W	340W
Optimum Operating	37.3V	37.4V	37.5V	37.6V	37.7V
Optimum Operating	8.58A	8.69A	8.80A	8.91A	9.02A
Open CIRCUIT	44.8V	44.9V	45.0V	45.1V	45.2V
Short Circuit Current(Isc)	9.43A	9.56A	9.68A	9.80A	9.90A
Module Efficiency	16.54%	16.80%	17.06%	17.32%	17.58%
Operating Temperature	-40℃~+85℃				
Maximum System Voltage	1000V(IEC)/600V(UL)				
Maximum Series Fuse	15A				
Application Classification	Class A				
Power Tolerance	0~+5W				

Under Standard Test Conditions (STC) of irradiance of 1000W/m², spectrum AM 1.5 and cell temperature of 25℃

NOCT	ST-P-P320	ST-P-P325	ST-P-P330	ST-P-P335	ST-P-P340
Nominal Maximum Power (Pmax)	238W	243W	247W	253W	258W
Optimum Operating Voltage (Vmp)	34.6V	34.9V	35.2V	35.4V	35.6V
Optimum Operating Current (Imp)	6.88A	6.96A	7.01A	7.14A	7.25A
Open Circuit Voltage (Voc)	42.5V	42.7V	42.9V	43.1V	43.3V
Short Circuit Current (Isc)	7.47A	7.58A	7.70A	7.83A	7.94A

Under Normal Operating Cell Temperature, irradiance of 800 W/m2,spectrum AM 1.5,ambient temperature 20℃ wind speed 1m/s

Mechanical Data

Cell Type	Poly-crystalline 156 x 156mm,3 or 4 Bus bars
Cell Arrangement	72 (6x12)
Dimensions	1950 x 992 x 40mm(76.77 x 39.05 x 1.57in)
Weight	22kg
Front Cover	3.2mm Tempered Glass
Frame Material	Anodized Aluminum Alloy
J-BOX	IP65 or IP67, 6 Diodes
Cable	4mm2(IEC)/12AWG(UL),1150mm
Connectors	MC4 or MC4 Comparable
Standard Packaging (Modules per Pallet)	27pcs
Module Pieces per container (40HQ)	540pcs (40'HQ)

Engineering Case















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Mounting Structure

structure: iron steel (other types rack can be customize d as per requirement)





Once you have the components, you need to put them in place.We offer several rack solutions tomount your system.Ground mounts can be aligned at the perfect angle for maximum output fromyour panel.Roof brackets are more cost-effective because they take advantage of your existingroof structure.



- 15 years warranty
- Aluminum alloy, galvanized steel material optional
- Suitable for roof and ground
- Resist 60m/s wind speed and1.4kN/m2 snow pressure





Mounting Bracket

- Residential Roof(Pitched Roof)
- Commercial Roof(Flat roof&workshop roof)
- Ground Solar Mounting system
- Vertical wall solar mounting system
- All aluminum structure solar mounting system
- Car parking solar mounting system.



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Production Line













Production Line







Transport & Installation















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Energy Storage Project



Solar Panel Installation



Solar Project for Reference



Lithium Battery Energy Storage Solar System



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