

Household Energy
PowerBase
Max-x



Nominal Power: 12000W
 Nominal Capacity: 15.36kWh

Features

Modernised Target

- Smart Home directivity
- Price-quality, energy efficiency, and value are maximized
- Electricity bill expected to be lowered by up to 65%

Composed Solution

- 3 functions in 1 machine: PV & battery inverter, lithium energy storage system
- One stop shopping experience: no need to worry about the compatibility between the components in the system
- Programmable multiple operation modes: grid-tie, off grid, or grid tie with back up

Cross-examined

- Sol-Ark/Deye/Sunsynk approved and pre-installed
- Scalable Li-ion battery, expandable to 20.48kWh
- IP55 of NEMA Rating

Compatible Inverter Brands:



ZRGP Lithium Battery

info@zruipower.com
 www.zruipower.com

Zhongrui Green Energy Technology
 (ShenZhen) Co., Ltd

PowerBase Max-x

Basic Information

Rated Energy	15.36kWh
Battery Module Type	ZR-FC48100-160SJ1
Inverter Module Type	Sol-Ark-12K-P
Rated Power	12000W
Nominal Output Voltage RMS	120/240/208V split phase
Output Frequency	50Hz/60Hz
Inverter Efficiency (Peak)	97.5%
Response Time (Grid-Tied to off-Grid)	4ms
Operating temperature	-18°C~55°C , >45°C derating

Solar Output Power 12000w

Max allowed PV DC Capacity	6,500W+6,500W=13,000W
Max PV power to Battery & AC outputs	12000W
Max DC voltage	500V@18A, 450V@20A
MPPT voltage range	150~425V
MPPT Starting voltage	175V
Number of MPPT	2
Solar Strings per MPPT	2 w/o fuses, 3 w/ fuses
Max DC current per MPPT(self limiting)	20A@300V, 18A@400V
Max AC Coupling (Gen Breaker/Load Breaker)	7,600w / 9,600w

AC Output Power 9000W On Grid & 8000W off Grid

Connections	120/240/208V split phase
Continuous AC power to Grid(On Grid)	9000W 37.5A L-L(240V) 4800W 40A L-N(120V)
Continuous AC power to Loads(Off Grid)	8000W 33A L-L(240V) 4800W 40A L-N(120V)
Surge AC power 10sec	16,000VA L-L(255V)
Surge AC power 100ms	25,000VA L-L(120V)
Parallel Stacking	2-8(240V), 3-9(208V)
Continous AC power with Grid or Generator	212000W 50A L-L(240V) 6000W 50A L-N(120V)
Idle Consumption typical-no load	60W
Sell back power modes	Limited to Household or Full Grid-Tied
Design(DC to AC)	Transformerless DC
Power Factor	+ - 0.9~1.0

Mechanical Specifications

Dimension(W*H*D)	Dimension(735*1600*400mm±2mm)
Net weight(Approximate)	240kg
Level of protection	IP55