



ZRGP

Residential Energy

PowerBase

Max-x



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



ZRGP Lithium Battery

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Basic Information

Rated Energy (kWh)	15.36
Battery Module Type	ZR-PBML
Inverter Module Type	SUN-12K-SG01LP1-EU
Rated Power (kW)	12
Nominal Output Voltage RMS	120/240/208V split phase
Output Frequency (Hz)	50 / 60
Inverter Efficiency (Peak)	97.5%
Response Time (Grid-Tied to Off-Grid)	4ms
Operating Temperature	-18°C ~ 55°C, > 45°C derating

PV String Input Data

Max. DC Input Power (kW)	15.6
Max. DC Input Voltage (V)	500
Start-up Voltage (V)	125
MPPT Range (V)	150 ~ 425
Rated DC Input Voltage (V)	370
PV Input Current (A)	26+26+26
Max. PV ISC (A)	44+44+44
No. of MPPT Trackers	3
No. of Strings Per MPPT Tracker	2

AC Output Data

Rated AC Output Power (kW)	12
AC Output Rated Current (A)	52.2
Max. Continuous AC Passthrough (A)	100
Peak Power (off grid)	2 times of rated power, 5s
Power Factor	0.8 leading to 0.8 lagging
Output Frequency and Voltage	50/60Hz; L/N/PE 220/230Vac (single phase)
Grid Type	Single Phase
DC injection current (mA)	<0.5% 1n

Mechanical Specifications

L×W×H (mm)	(400×735×1600) ±2
Net Weight (Approximate)(kg)	240
Protection Level	IP55

[1] Sol-Ark-15K-P is also supported.