

# ZRGP

Residential Energy

## PowerBase Max-A



## Features

### Composed Solution

- All-in-One System: Hybrid 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

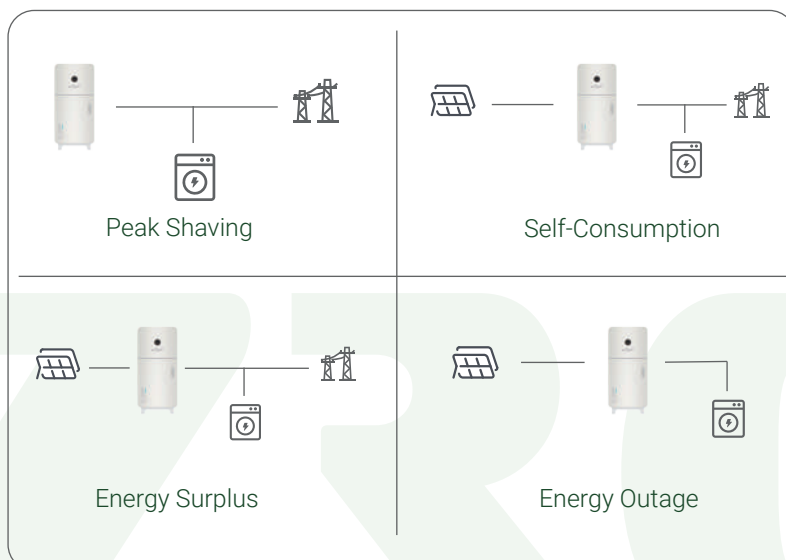
### Modernised Target

- Smart home directivity
- Price-quality, energy efficiency, and value are maximized

### Stability

- 10 years warranty
- Cycle life 8000 times
- IP54 for In/outdoor Applications

## System Layout



ZRGP Lithium Battery

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**Efficiency**

MPPT Efficiency	99.90%
DC Max. Efficiency	98.20%
EU Efficiency	97.50%
Battery Charging Efficiency	96.50%
Battery Discharging Efficiency	96.50%

**PV Input**

Maximum PV Input Voltage(V)	500
Nominal DC Input Voltage (Vdc)	360
DC Input Voltage Range (Vdc)	125~500
Start-up Voltage (Vdc)	100
Max DC Input Current (A)	16/16
MPPT Number/(Strings per MPPT)	2(1/1)

**Grid**

Rated Output Power(W)	6000
Maximum AC Output Current (A)	28.7
Acceptable Input Voltage Rang(Vac)	176~270
Nominal Output Voltage (Vac)	230
Frequency(Hz)	50 /60
Power Factor	1
THDi	<3%
Type Of Grid Connection	L+N+PE

**EPS**

Rated Output Power(W)	6000
Nominal Output Voltage (Vac)	230
Nominal Output Current (A)	26
Frequency(Hz)	50 / 60
Auto Switch Time(mS)	10
THDu	<2%
Surge Capability	110%@60S / 120%@30S / 150%@10S

**Battery**

Nominal Energy (kWh)	10.24
Max. Charging (Vdc)	58.4
Discharge Cut-off (Vdc)	43.2
Cycle Life	≥8000times@80%DOD
Warranty	10 years

**General Parameters**

Dimension (W*D*H mm)	600*320*1350
Net Weight (kg)(Approximate)	180
Level of Protection	IP54
Operating Temperature	-20°C ~ +50°C
Relative Humidity Range (RH)	10% ~ 90%
Operating Altitude (m)	2000
Colling	FAN+Free convection
Communication	RS485/Wi-Fi /CAN
Certification-Battery	CE/ UKCA/ IEC 62619/ UN 38.3/ MSDS
Certification-Inverter	CE/ TUV/ SAA/ IEC62166; 2014/ IEC61683:1999