

ZRGP

Residential Energy

PowerBase

ProMax



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

Large Scale Usage

- Between 5 to 8 battery modules in single cabinet to give maximum 40.96kWh usable capacity
- Up to 15 cabinets can be connected in parallel to give a maximum 614.4kWh usable capacity



ZRGP Lithium Battery

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PowerBase ProMax

	Pro Max_25	Pro Max_30	Pro Max_35	Pro Max_40
Usable Energy (kWh)	25.6	30.72	35.84	40.96
Battery Module QTY	5	6	7	8
Main Control Module	ZR-MC500-100E			
Battery Module	ZR-FS48100-1630R3			
Inverter Module	KY-EST20KH-A			
Efficiency	> 98.2%			

PV Input

Max. PV Input Power (kW)	26
Max. PV Input Voltage (Vdc)	1000.0
MPPT Operation Voltage Range (Vdc)	180~950
Number Of MPPT/PV Srtings	2/2
Max. PV Input Current (A)	23/23
Short-circuit Current Of PV Input (A)	30/30

AC Input and Output

Rated Power (kW)	20
Max. Appparent AC Power (VA)	20000
Nominal AC Output Voltage (Vac)	380, 3L/N/PE
AC Power Frequency (Hz)	50/60
Max. AC Output Current (A)	31

General Data

Operating Temperature Range (°C)	-20°C ~ +50°C (> 45°C derating)			
Operating Altitude (m)	2000			
Noise (dBA)	< 45			
Topology	Transformerless			
Cooling Method	Intelligent Fan			
Protection Level	IP20			
Designed Service Life	> 10years			
Relative Humidity	5~85% No Condensation			
Communication	CAN/RS485/WIFI			
W×D×H (mm)	648×755×1848			
Weight (kg)	326	369	412	455
Application	ON Grid (Self consumption/ON Grid+Backup/Backup) and Off Grid			