

Pulse-1

Photovoltaic Generator

IGNACORE

CAPACITY: 500W/1000WH

PV PANEL: 310WP



Ultra Safety Reliability

- LFP(Lithium ion Phosphate) the highest safety
- Multiple security protection strategies
- Quick connection and insulation protection.



Comprehensive Smart System

- Active balancing function between batteries, true parallel with RS485 communication.
- Single or in parallel for all 24V hybrid inverters, 2 in series for all 48V

Specification		PULSE-1
Output	Rated Voltage	220 - 230 Vac
	Rated Power	500 W
	AC Output	Overload Power 600 W (10s)
	Frequency	50 / 60 Hz
	USB-A Output	5 Vdc, 2.4 A max, QC3.0 up to 18 W
	USB-C Output	5 Vdc, 2.4 A max, QC3.0 up to 18 W
	12V DC Output	12 Vdc, 10 A max (120 W max)
Input	AC Charging Input	90 - 280 Vac, 45 / 65 Hz, 500 W max
	MPPT Voltage Range	11 - 55 Vdc
	PV Input (MPPT)	MPPT Connector XT 60
	Max. Input Power	300 W
Battery	Battery Type	Lithium Iron Phosphate - LFP (LiFePO4)
	Battery Voltage	3.2 Vdc
	Battery Voltage Range	2.8 - 3.6 Vdc
	Capacity	314 Ah
	Energy	1.005 kWh
	Max. Charging Current	150 Adc
	Max. Discharge Current	150 Adc
General	Ingress Protection	IP21
	Charging Temperature	0 - 45°C
	Discharging Temperature	-10 - 45°C
	Size (W x H x D)	300 x 142 x 210 mm (11.81 x 5.59 x 8.27 in)
	Net Weight	9.8 kg
	Certification	CE / RoHS / SAA / FCC / PSE
	Warranty	3 Years
	Design Cycle Life	8000 cycles

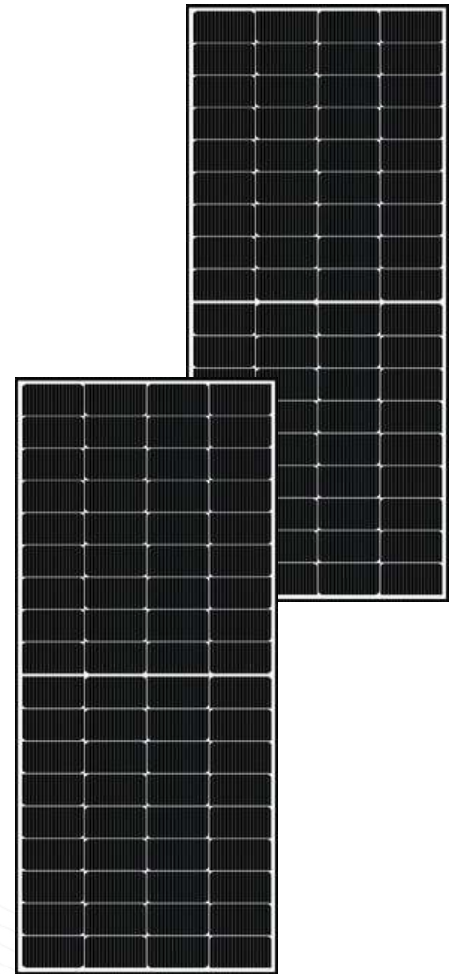
IGNACORE PV Panel

Mechanical Characteristics

No. of Cells	72(4×18)
Dimensions	1760×875×30 mm
Weight	13.1 kgs
Front Glass	3.2 mm (0.126 inches) fully tempered glass
Output Cables	4.0 mm ² , (-) 900 mm (+) 160 mm in length or customized length
Junction Box	IP68 rated (3 bypass diodes)
Operating Module Temperature	-40 °C to +85 °C
Maximum System Voltage	1000V DC (IEC)
Maximum Series Fuse Rating	20 A
Power Tolerance	0/+5W

Electrical Characteristics

Testing Condition	310P+30% STC
Maximum Power (P _{max} /W)	310
Optimum Operating Voltage (V _{mp} /V)	21.75
Optimum Operating Current (I _{mp} /A)	13.11
Open Circuit Voltage (V _{oc} /V)	25.85
Short Circuit Current (I _{sc} /A)	13.72
Module Efficiency (%)	21.8



Bracket Kit



SCOPE OF SUPPLY

1	UPS, IGNACORE, Pulse-1	01 set
2	IGNACORE Solar PV Panel 310W Bifacial	1 No
3	Bracket kit for Solar panel	01 set
4	DC Cable 4rm	