



ELECRA PV4000 Off Grid 3kW-24V



Elecra PV4000

3 kW 24V | Off-Grid | Single Phase | IP21

- Built-in BMS (Battery Management System)**
- Built-in Wi-Fi for Online Monitoring**
(Andriod/ IOS App is available)
- Durability and Protection**
with IP21 Rating
- Power Integration**
- Works With & Without**
Battery 24V
- Enhanced Charging**
Power:100A
- Max PV Input:**
4000W
- Smart & Safe**
- Supports USB**
On-the-go
- Pure Sine Waves**
- Supports Battery**
Equalization
to Extend Life Cycle
- Detachable LCD**
Control (upto 20 m)
- Built-in BMS / RS 485 (Battery Management System)**
- Compatible with Li-Ion/**
LiFePO4 Battery / Lead Acid
- MPPT Range:**
120V ~ 450V
- Start up Voltage:**
150 VDC +/- 10 vdc
- Max PV Voltage:**
500VDC
- Multiple Operations Mode: Off Grid & Backup**

Technical Datasheet		Elecra PV4000
		3000VA/3000W
Input	Voltage	230 VAC
	Selectable Voltage Range	170-280V AC (for personal computers) 90-280 VAC (for home appliances)
	Frequency Range	50 Hz/60 Hz (Auto sensing)
Output	AC Voltage Regulation (Batt. Mode)	230V AC $\pm$ 10%
	Surge Power	6000VA
	Efficiency (Peak)	90% ~ 93%
	Transfer Time	15 ms (for personal computers) 20 ms (for home appliances)
	Waveform	Pure Sine Wave
Battery	Battery Voltage	24 VDC
	Floating Charge Voltage	27 VDC
	Overcharge Protection	33 VDC
Solar Charger & AC Charger	Solar Charger Type	MPPT
	Maximum PV Array Power	4000W
	MPP Range @ Operating Voltage	120 ~ 450 VDC
	Maximum PV Array Open Circuit Voltage	500 VDC
	Maximum Solar Charge Current	100A
	Maximum AC Charge Current	100A
	Startup Voltage	150 VDC +/- 10 VDC
Physical	Dimension, D x W x H (mm)	115 x 300 x 400
	Net Weight (kgs)	9
	Communication Interface	USB/RS232/RS485/Wi-Fi/Dry-contact
Operating Environment	Humidity	5% to 95% Relative Humidity (non-condensing)
	Operating Temperature	-10°C to 50°C
	Storage Temperature	-15°C to 60°C

- Note: Product specifications are subject to change without further notice.
- Warranty terms: 18 months replacement warranty, 10.5 years service warranty.