

ELECRA

PV4000

Hybrid 3kW-24V
Single Phase



Efficient Power, Reliable Performance



Built-in BMS (Battery Management System)



Built-in Wi-Fi for Online Monitoring
(Android/ IOS App is available)



Durability and Protection
with IP21 Rating



Grid-tied Solar 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

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TECHNICAL DATASHEET

MODEL	Elecra PV4000
RATED POWER	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 ± 10%
Surge Power	6000VA
Efficiency (Peak)	90% ~ 93%
Transfer Time	15 ms (for personal computers) 20 ms (for home appliances)
Waveform	Pure Sine Wave
Dual Outputs	Yes
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
Maximum Charge Current	100A
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

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