

ELECRA PV4000

Hybrid 3kW-24V
Single Phase



Efficient Power, Reliable Performance



Built-In BMS (Battery Management System)



Built-In WiFi 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 lifecycle



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



Max PV Voltage: 500VDC



Multiple Operations Mode: Grid Tie, Off Grid & Grid-tie With Backup

12 Years Warranty (18 Months Parts & Service + 10.5 Years Service Warranty)

*Terms & Conditions Apply

TECHNICAL DATASHEET

MODEL	Elegra PV4000
RATED POWER	3000VA/3000W
INPUT	
Voltage	230 VAC
Selectable Voltage Range	170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances)
Frequency Range	50 Hz/60 Hz(Auto sensing)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	230VAC \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
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/WiFi/Dry-contact
Humidity	
Operating Temperature	5% to 95% Relative Humidity (Non-condensing)
Storage Temperature	-10°C to 50°C
	-15°C to 60°C

Note: Product specifications are subject to change without further notice

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