

# ELECRA PV4000

Hybrid 3kW-24V  
Single Phase



## Efficient Power, Reliable Performance



Built-In BMS (Battery Management System)



Built-In WiFi for Online Monitoring (Andriod/ 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 (1 Year Parts + Service Warranty + 11 Years Service Warranty)

\*Terms & Conditions Apply



# TECHNICAL DATASHEET

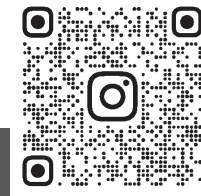
| MODEL                                 |  | Elegra PV4000   |
|---------------------------------------|--|---|
| RATED POWER                           |  | 3000VA/3000W  |
| <b>INPUT</b>                          |  |   |
| Voltage                               |  | 230 VAC   |
| Selectable Voltage Range              |  | 170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances) |
| Frequency Range                       |  | 50 Hz/60 Hz (Auto sensing)  |
| <b>OUTPUT</b>                         |  |   |
| AC Voltage Regulation (Batt. Mode)    |  | 230VAC ± 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   |
| <b>BATTERY</b>                        |  |   |
| Battery Voltage                       |  | 24 VDC  |
| Floating Charge Voltage               |  | 27 VDC  |
| Overcharge Protection                 |  | 33 VDC  |
| <b>SOLAR CHARGER &amp; AC CHARGER</b> |  |   |
| 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  |
| <b>PHYSICAL</b>                       |  |   |
| Dimension, D x W x H (mm)             |  | 115 x 300 x 400   |
| Net Weight (kgs)                      |  | 9   |
| Communication Interface               |  | USB/RS232/RS485/WiFi/Dry-contact                                      |
| <b>OPERATING ENVIRONMENT</b>          |  |   |
| 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

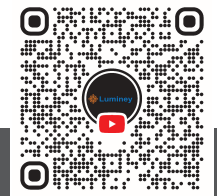
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