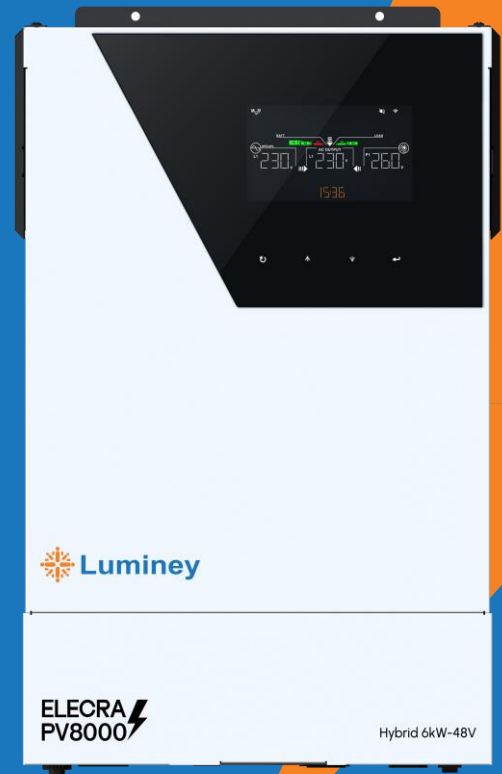


ELECRA PV8000

Hybrid 6kW-48V
Single Phase



Efficient Power, Reliable Performance




Max PV Voltage:
500VDC


Built-in Wi-Fi & APP


Dual Output:
For Smart & Heavy Load


Grid-Tied Solar
Power Integration


Compatible With
Luminey Atrix & Monawall Battery


Max PV Input:
8000W


Works With & Without
Battery 48V


Built-in Parallel Kit:
Upto 9 units


Durability and Protection
With IP21 Rating


Built-in BMS (Battery
Management System)


Grid Feeding Enabled


USB On-The-Go


Pure Sine Waves


Anti-Dust Filter Kit
(External)


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


Maximum Charging: 120A


Short-circuit Protection


Touch LCD Display:
4.3" Colored LCD


MPPT Range:
120V ~ 430V


Smart & Safe


Zero Export

12 Years Warranty (1 Year Parts + Service Warranty + 11 Years Service Warranty)

*Terms & Conditions Apply

TECHNICAL DATASHEET

MODEL	Elegra PV8000
Phase	1-phase in / 1-phase out
Maximum PV Input Power	8000W
Rated Output Power	6200W
Maximum Charging Power	6000W
GRID-TIE OPERATION	
PV INPUT (DC)	
Nominal DC Voltage / Maximum DC Voltage	360 VDC / 500 VDC
Start-up Voltage / Initial Feeding Voltage	120VDC / 150 VDC
MPP Voltage Range	120 VDC ~ 430 VDC
Number of MPP Trackers / Maximum Input Current	1 / 27A
GRID OUTPUT (AC)	
Nominal Output Voltage	220/230/240 VAC
Output Voltage Range	184-264.5 VAC or 195.5-253 VAC (Selectable)
Nominal Output Current	26A
Power Factor	> 0.99
EFFICIENCY	
Maximum Conversion Efficiency (DC/AC)	96%
OFF-GRID OPERATION	
AC INPUT	
AC Start-up Voltage / Auto Restart Voltage	120-140 VAC / 180 VAC
Acceptable Input Voltage Range	90-280 VAC or 170-280 VAC
Maximum AC Input Current	40 A
PV INPUT (DC)	
Maximum DC Voltage	500 VDC
MPP Voltage Range	120 VDC ~ 430 VDC
Number of MPP Trackers / Maximum Input Current	1 / 27 A
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	220/230/240 VAC
Output Waveform	Pure sinewave
Efficiency (DC to AC)	93%
HYBRID OPERATION	
PV INPUT (DC)	
Nominal DC Voltage / Maximum DC Voltage	360 VDC / 500 VDC
Start-up Voltage / Initial Feeding Voltage	120VDC / 150 VDC
MPP Voltage Range	120 VDC ~ 430 VDC
Number of MPP Trackers / Maximum Input Current	1 / 27A
GRID OUTPUT (AC)	
Nominal Output Voltage	220/230/240 VAC
Output Voltage Range	184-264.5 VAC or 195.5-253 VAC (Selectable)
Nominal Output Current	26A
AC INPUT	
AC Start-up Voltage / Auto Restart Voltage	120-140 VAC / 180 VAC
Acceptable Input Voltage Range	90-280 VAC or 170-280 VAC
Maximum AC Input Current	40A
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	220/230/240 VAC
Efficiency (DC to AC)	93%
BATTERY & CHARGER	
Nominal DC Voltage	48 VDC
Maximum Solar Charging Current	120A
Maximum AC Charging Current	120A
Maximum Charging Current	120A
GENERAL	
PHYSICAL	
Dimension, D x W x H (mm)	140 x 295 x 468
Net Weight (kgs)	12
INTERFACE	
Parallel Function	Yes, 9 units
Communication Port	USB/RS232/RS485/Wifi/Dry-contact
ENVIRONMENT	
Humidity	0 ~ 90% RH (Non-condensing)
Operating Temperature	-10 to 50°C

Note: Product specifications are subject to change without further notice