

ELECRA PV8000

Hybrid 6.2kW-48V
Single Phase



Efficient Power, Reliable Performance



Max PV Voltage:
500V DC



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-tied,
Off-grid & Grid-tied 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	Elecra 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	360V DC / 500 VDC
Start-up Voltage / Initial Feeding Voltage	120V DC / 150 VDC
MPP Voltage Range	120V DC ~ 430 VDC
Number of MPP Trackers / Maximum Input Current	1 / 27A
GRID OUTPUT (AC)	
Nominal Output Voltage	220/230/240 VAC
Output Voltage Range	184-264.5V AC 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	120-140V AC / 180 VAC
Acceptable Input Voltage Range	90-280V AC or 170-280 VAC
Maximum AC Input Current	40 A
PV INPUT (DC)	
Maximum DC Voltage	500V DC
MPP Voltage Range	120V DC ~ 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 Sine Wave
Efficiency (DC to AC)	93%
HYBRID OPERATION	
PV INPUT (DC)	
Nominal DC Voltage / Maximum DC Voltage	360V DC / 500 VDC
Start-up Voltage / Initial Feeding Voltage	120V DC / 150 VDC
MPP Voltage Range	120V DC ~ 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	48V DC
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/Wi-Fi/Dry-contact
ENVIRONMENT	
Humidity	0 ~ 90% RH (non-condensing)
Operating Temperature	-10°C to 50°C

