

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	

