

# ELECRA PV8000

Hybrid 6kW-48V  
 Single Phase



**Efficient Power,  
 Reliable Performance**



 <b>Max PV Voltage:</b> 500VDC	 <b>Built-in Wi-Fi &amp; APP</b>	 <b>Dual Output:</b> For Smart & Heavy Load	 <b>Grid-Tied Solar          Power Integration</b>	 <b>Compatible With          Luminey Atrix &amp; Monawall Battery</b>	
 <b>Max PV Input:</b> 8000W	 <b>Works With &amp; Without          Battery 48V</b>	 <b>Built-in Parallel Kit:</b> Upto 9 units	 <b>Durability and Protection          With IP21 Rating</b>	 <b>Built-in BMS (Battery          Management System)</b>	
 <b>Grid Feeding Enabled</b>	 <b>USB On-The-Go</b>	 <b>Pure Sine Waves</b>	 <b>Anti-Dust Filter Kit          (External)</b>	 <b>Multiple Operations Mode: Grid-Tie,          Off-Grid &amp; Grid-Tie With Backup</b>	
 <b>Maximum Charging: 120A</b>	 <b>Short-circuit Protection</b>	 <b>Touch LCD Display:          4.3" Colored LCD</b>	 <b>MPPT Range:          120V ~ 430V</b>	 <b>Smart &amp; Safe</b>	 <b>Zero Export</b>

12 Years Warranty (18 Months Parts & Service + 10.5 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	
<b>GRID-TIE OPERATION</b>		
<b>PV INPUT (DC)</b>		
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	
<b>GRID OUTPUT (AC)</b>		
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	
<b>EFFICIENCY</b>		
Maximum Conversion Efficiency (DC/AC)	96%	
<b>OFF-GRID OPERATION</b>		
<b>AC INPUT</b>		
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	
<b>PV INPUT (DC)</b>		
Maximum DC Voltage	500 VDC	
MPP Voltage Range	120 VDC ~ 430 VDC	
Number of MPP Trackers / Maximum Input Current	1 / 27 A	
<b>BATTERY MODE OUTPUT (AC)</b>		
Nominal Output Voltage	220/230/240 VAC	
Output Waveform	Pure sinewave	
Efficiency (DC to AC)	93%	
<b>HYBRID OPERATION</b>		
<b>PV INPUT (DC)</b>		
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	
<b>GRID OUTPUT (AC)</b>		
Nominal Output Voltage	220/230/240 VAC	
Output Voltage Range	184-264.5 VAC or 195.5-253 VAC (Selectable)	
Nominal Output Current	26A	
<b>AC INPUT</b>		
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	
<b>BATTERY MODE OUTPUT (AC)</b>		
Nominal Output Voltage	220/230/240 VAC	
Efficiency (DC to AC)	93%	
<b>BATTERY &amp; CHARGER</b>		
Nominal DC Voltage	48 VDC	
Maximum Solar Charging Current	120A	
Maximum AC Charging Current	120A	
Maximum Charging Current	120A	
<b>GENERAL</b>		
<b>PHYSICAL</b>		
Dimension, D x W x H (mm)	140 x 295 x 468	
Net Weight (kgs)	12	
<b>INTERFACE</b>		
Parallel Function	Yes, 9 units	
Communication Port	USB/RS232/RS485/Wifi/Dry-contact	
<b>ENVIRONMENT</b>		
Humidity	0 ~ 90% RH (Non-condensing)	
Operating Temperature	-10 to 50°C	

Note: Product specifications are subject to change without further notice

