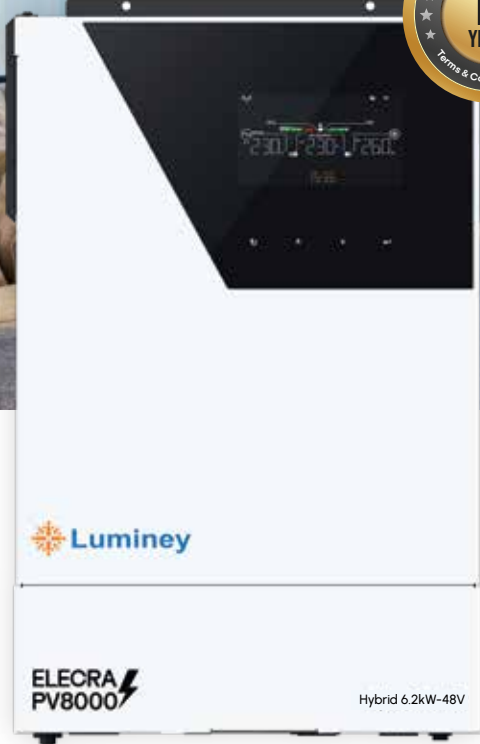


ELECRA PV8000

Hybrid 6.2kW-48V



Elecra PV8000

6.2 kW 48V | Hybrid | Single Phase | IP21

- 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**

TECHNICAL DATASHEET

		Elecra PV8000	
MODEL	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 to 50°C	

- Note: Product specifications are subject to change without further notice.
- Warranty terms: 18 months replacement warranty, 10.5 years service warranty.