



The **WISE** Choice

EASTMAN WORLD

Welcome to Eastman World - Your Global Partner in Energy Solutions!



SOLAR PRO HOME INVERTERS

12V / 24V

SOLAR PRO

HOME INVERTER 12V/24V

The Eastman PWM Based Solar PCU is meticulously engineered, harnessing state-of-the-art technology to deliver unparalleled performance and unwavering reliability. With its utilization of Solar Sinewave Technology, it not only extends battery life but also streamlines maintenance, providing seamless operation for peak efficiency.



Product Features

- Zero Drop PWM Charger Topology
- Working Mode(Intelligent, Hybrid & Solar)
- PV Reverse Protection
- Auto Selection of Grid Reconnect Battery Voltage
- Isolated Gate Drive for Solar Charger
- Double PV Voc Protection

Product Specifications	850VA-12V	1000VA-12V	1400VA-12V	2000VA-24V
Input Voltage (WIDE MODE)	90V-290V ± 10V			
Input Range (NARROW MODE)	170V-270V ± 10V			
Output Voltage on Mains Mode	Same as input			
Output Voltage on Backup Mode	210V+10%, -15%			
Output Frequency in Backup Mode	50Hz ± 0.1Hz			
Switching from mains to Backup and from Backup to Mains	Automatic			
Output Waveform on Mains Mode	Same as input			
Output Waveform on Backup Mode	Pure Sine Wave			
Battery Charging Current	Constant Charging approx 10% of the rated battery current in Ah			
Charger	CCCV			
PCU Overload/PCU Short Circuit	110% / 300%			
PCU Transfer Time	<=15msec			
Technology	DSPIC BASED DESIGN			
Auto Reset Feature	Yes			
Operating Temperature	-10 °C to +45 °C			
Voc Range	17V-27V			34V-54V
Max PV Power	900W(150*6) 825W(165*5)	1050W(150*7) 990W(165*6)	1350W(150*9) 1320W(165*8)	2010W(335*6) 2000W(400*5) 2160W(540*4)
Solar Current Max.	55AMP ± 5A	60AMP ± 5A	75AMP ± 5A	55AMP ± 5A
Type of Charge	PWM with Isolated Gate Drive			



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