



The **WISE** Choice

## EASTMAN WORLD

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



## SOLAR PRO MAX HOME INVERTERS

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12V / 24V

# SOLAR PROMAX

## HOME INVERTER 12V/24V

The Eastman MPPT Based Solar PCU represents the apex of contemporary technology, delivering unmatched performance and unwavering reliability. Leveraging Solar Sinewave Technology, it maximizes battery longevity with minimal maintenance demands. With precise attention to efficient battery charging throughout the day, this Solar PCU expertly orchestrates energy sources for optimal effectiveness. Moreover, its user-friendly interface features an energy-saving mode, granting users the freedom to manage energy consumption and minimize utility expenses.



### Product Features

- Low Loss MPPT Charger Topology
- Working Mode(Intelligent, Hybrid & Solar)
- PV Reverse Protection
- Auto Selection of Grid Reconnect Battery Voltage
- Isolated Gate Drive for Solar Charger
- Fast Charging

Product Specifications	500VA-12V	1000VA-12V	1500VA- 24V	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	220V+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% / 150%			
PCU Transfer Time	<=15msec			
Technology	DSPIC BASED DESIGN			
Auto Reset Feature	Yes			
Operating Temperature	-10 °C to +45 °C			
Voc Range	15V-52V		30V-105V	
Max PV Power	500W	1000W	1500W	2000W
Solar Current Max.	32AMP ± 3A	60AMP ± 3A	50AMP ± 3A	68AMP ± 3A
Type of Charge	MPPT with Isolated Gate Drive			



[www.eastmanworld.com](http://www.eastmanworld.com)  
[marketing@eastmanworld.com](mailto:marketing@eastmanworld.com)

**AMPS MIDDLE EAST FZ LLC**

#703, 7<sup>TH</sup> Floor, Deira Twin Tower,  
Baniyas Square, Deira, Dubai (UAE)

**EASTMAN AUTO & POWER LTD.**

ASF Towers, 249, Udyog Vihar Phase-4, Gurugram,  
Haryana-122016, India

**GUANGDONG EASTMAN NEW ENERGY CO., LTD**

#1602, Meilan business centre, Intersection of Xixiang Avenue  
and Qianjin Second Road, Bao'an, District, Shenzhen-518102, China

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