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Continued Energy Solutions

Product Catalogue

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#TheWiseChoice

Home UPS

SINO

Sine Wave Inverter



Unity power factor enabled Home UPS with sine wave technology ranging from 900VA to 2200VA having 36 months* warranty on the product and 10 years warranty on transformer*.

- 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	SINO 12V/24V				
Parameter	**900VA-12V**	**1050VA-12V**	**1200VA-12V**	**1800VA-24V**	**2200VA-24V**
Mains AC Input Range (WIDE MODE)	90V - 300V ± 10VAC				
Mains AC input Range (NARROW MODE)	180V - 260V ± 10VAC				
Output Voltage on Mains Mode	Same as Input				
Output Voltage on UPS Mode	210V+10%, -15%				
Output Frequency in UPS mode	50Hz ± 0.1Hz				
Switching from mains to UPS and UPS to Mains mode	Automatic				
Output Waveform on Mains mode	Same as Input				
Output Waveform on UPS mode	Pure Sine Wave				
Battery Charging Current	Constant Charging approx 10% of the rated battery current in AH				
Charger	CCCV				
UPS overload/UPS Short circuit	110%/300%				
UPS transfer time	<=15msec				
Technology	Micro controller based design				
Auto reset feature	Yes				
Operating temperature	-10˚C t +45˚C				

Note : Because of a policy of continuous product improvement the specification are subject to change without notice.

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Home UPS

SINO Sine Wave Inverter

Unity power factor enabled Home UPS with sine wave technology ranging from 2500VA to 5500VA having 36 months* warranty on the product and 10 years warranty on transformer*.

- 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

36 MONTHS PRODUCT WARRANTY*

120 MONTHS TRANSFORMER WARRANTY*



PRODUCT SPECIFICATIONS	HIGHER MODELS (SINO 24V/48V)			
Parameter	**2500VA-24V**	**4000VA-48V**	**5000VA-48V**	**5500VA-48V**
Input Voltage (Wide Mode)	120V-275V±10V			
Input Voltage (Narrow Mode)	180V-260V±10V			
Mains Mode Input frequency	Same as Mains			
Output Voltage on Mains Mode	Same as input voltage			
Output voltage on Backup Mode	220V ± 15%			
Output frequency on Backup Mode	50Hz ± 0.2Hz			
Output waveform on UPS mode	Pure sine wave			
Switching from Mains to Backup and from Backup to Mains	Automatic			
Battery charging current	Constant charging approx 10% of the rated battery current in AH			
Charger topology	Boost Based PWM Control Multi-Stage Technology with GPM			
Overload / Short Circuit	110% / 300%			
UPS Transfer Time	<=15 msec			
Operating Temperature	- 10°C to + 45°C			
Auto Reset Feature	Yes			
Mains bypass	Bypass Switch			
Jumbo LCD	Yes			
Size of product (LxWxH)mm	437X260X381 MM	437X260X441 MM		

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Home UPS

SINO Sine Wave Inverter

Unity power factor enabled Home UPS with sine wave technology ranging from 7500VA to 15000VA having 36 months* warranty on the product and 10 years warranty on transformer*.



- 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

36 MONTHS PRODUCT WARRANTY*

120 MONTHS TRANSFORMER WARRANTY*

PRODUCT SPECIFICATIONS	HIGHER MODELS (SINO 24V/48V)		
Parameter	**7500VA-96V**	**10000VA-120V**	**15000VA-180V**
Input Voltage (Wide Mode)	120V-290V± 10V		
Input Voltage (Narrow Mode)	180V-265V± 10V		
Output Voltage on Mains Mode	Same as input		
Output voltage on Backup Mode	220V + 10%, -15%		
Output frequency on 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		
UPS overload/UPS Short Circuit	110%/150%		
UPS Transfer Time	<=15msec		
Technology	DSPIC BASED DESIGN		
Auto Reset Feature	Yes		
Operating Temperature	0°C to +45°C		

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