

EPS solar off grid/hybrid/UPS inverter

Default Battery System Voltage	12VDC	24VDC
Rated Power	1400VA/800W	2400VA/1440W
Waveform	Modified Sine-wave	
Nominal Output Voltage RMS	230V	
Output Voltage Regulation	+10/-18%	
Output Frequency	50Hz/60Hz +/-1 Hz	
Inverter Efficiency (Peak)	>80%	
Line Mode Efficiency	>95%	
Typical Transfer Time	Typical 15~20ms 40ms max	
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Voltage	230VAC	
Selectable Voltage Range		
Narrow	170~280VAC	
Wide	90~280VAC	
Frequency Range	50HZ/60HZ (Auto sensing)	
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Battery Nominal Input Voltage	12VDC	24VDC
Minimum Start Voltage	10.5VDC	21.0VDC
Low Battery Alarm	10.5VDC+/-0.8V	21.0VDC+/-0.8V
Low Battery Cutoff	10.0VDC+/-0.8V	20.0VDC+/-0.8V
High Voltage Cutoff	15.0VDC+/-0.8V	30.0VDC+/-0.8V
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Charger Voltage (Vbat<12.5V)	14.4VDC+/-0.4V	28.8VDC+/-0.4V
Charger Voltage (Vbat>12.5V)	13.7VDC+/-0.4V	27.4VDC+/-0.4V
Charging Current	15A/20A±2A	10A±2A
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Nominal Input Frequency	50Hz or 60Hz	
Overload Protection (SMPS Load)	FUSE	
Output Short Circuit Protection	FUSE	
Bypass Breaker Rating	10A	
Max Bypass Current	10A	
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Maximum PV Charge Current	30A	
Minimum PV Array Voltage	18V	36V
Maximum PV Array Power	375W	750W
MPPT Range @ Operating Voltage	16~55VDC	28~55VDC
Maximum PV Array Open Circuit Voltage	55VDC	
Maximum Efficiency	>95%	
Standby Power Consumption	<2W	
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Dimensions (W*H*D)	268*260*90mm	
Net Weight (kg)	3.5	
Operation Temperature Range	0°C to 50°C	
Audible Noise	50dB MAX	
Display	LED+LCD	
Standard Warranty	1 year	