

P V E O O O



3kW Hybrid Solar Inverter

PRODUCT DATASHEET



MISBAH
SOLAR ميسباح سولار

info@misbahsolar.com

www.misbahsolar.com

Inverter Mode			Line Mode	
Rated Output Power		3200VA/3000W	Input Voltaage Waveform	Sinusoidal(Utility or Generator)
Output Voltage Waveform		Pure Sine Wave	Nominal Input Voltage	230VAC
Output Voltage Regulation		230VAC +-5%	Low Loss Voltage	170VOC +-7V(UPS) 90VOC+-7V (Appliances)
Output Frequency		50Hz/60Hz Auto	Low Loss Return Voltage	180VOC +-7V(UPS) 100VOC +-7V (Appliances)
Peak Efficiency		94%	High Loss Voltage	280VAC +-7V
Overload Protection		5s@150% Load, 10s@100% Load	High Loss Return Voltage	270VAC +-7V
Surge Capacity		2 x Rated Power for 5s	Maximum AC Input Voltage	280VAC
Nominal DC Input Voltage		12VDC	Nominal Input Frequency	50Hz/60Hz (Auto Sensing)
Cold Start Voltage		14VDC	Low Loss Frequency	46+-1Hz
High DC Recovery Voltage		16VDC	Low Loss Return Frequency	47+-1Hz
High DC Cut-Off Voltage		16VDC	High Loss Frequency	54+-1Hz
No Load Power Consumption		<35w	High Loss Return Frequency	53+-1Hz
Utility Charging Mode			Output Short Circuit Protection	Circuit Breaker
Charging Algorithm		3-Step	Efficiency (Line Mode)	>95% (Rated R Load,Battery Full Charged)
AC Charging Current		60A	Transfer Time	10ms for UPS 20ms For Appliances
Bulk Charging Voltage	Flooded Battery	29.2	General Specification	
	AGM/Gel Battery	28.2	Safety Certification	CE
Floating Charging Voltage		27VDC	Operating Temperature Range	-10C to 50C
MPPT Solar Charging Mode			Storage Temperature	-15C to 60C
Maximum PV Array Power		3000W	Humadity	5% to 95% Relative Humadity (Non-Condensing)
Nominal PV Voltage		240VDC	Dimensions,mm(D * W * H)	357 *273*95
PV Array MPPT Voltage Range		30-400VDC	Net Weight(KG)	5.5
Max PV Array Open Circuit Voltage		400VDC		
Maximum Charging Current		80A		