



Solar Power House SPH SERIES

MODEL			SPH-1600	SPH-3200	SPH-5000	SPH-6400	SPH-8000	SPH-10000	
DESCRIPTION			Pure Sinewave Inverter						
INPUT	Capacity	Watts	1000W	2000W	3000W	4000W	5000W	6000W	
	Nominal Voltage	Nominal Voltage	120Vac or 220Vac Systems				220Vac Systems		
		Voltage Range	90Vac ~ 150Vac +/- 4% 184Vac ~ 264Vac +/- 4% or 164Vac ~ 264Vac +/- 4%				184Vac ~ 264Vac +/- 4% or 164Vac ~ 264Vac +/- 4%		
		Frequency	47Hz ~ 55Hz or 57Hz ~ 65Hz						
OUTPUT	Invercer Mode Voltage		110Vac / 115Vac / 120Vac 220Vac / 230Vac / 240Vac			220Vac / 230Vac / 240Vac or 120-120-0 (L-L-N Auto Transformer)			
	Voltage Regulation		+/- 10% RMS						
	Frequency		50Hz or 60Hz						
	Wave Form		Pure Sinewave						
	Transfer Time		< 10 milliseconds (typical)						
Display	LCD		UPS Status, I/P & O/P Voltage and Frequency, Load %, Battery Voltage and %, Temperature, Model Spec, etc.						
	LED Indicators		Green : Normal - Yellow : Battery Back up - Red : UPS Fault						
Audible Alarm	Battery Indicators		No Alarm						
	Battery Low		Beep every 5 seconds						
	Fault		Beep continuously						
	Overload		Beep continuously						
Solar Server	Solar Power Server (Optional)		Optional Charger						
Environment	Operation Temperature		0° C - 40° C ; 32° F - 104° F ;						
	Humidity		0-95% Non-condensing						
	Acoustic Noise		Less than 55dB at 1mt						
Dimensions	Tower (W x H x D) mm		413 x 380 x 182 / 413 x 440 x 182						
BATTERY	Battery DC Voltage		12V / 24V	12V / 24V	12V / 24V / 48V	24V/48V	24V/48V	24V/48V	
	Max. Charging Current		35A / 20A	70A / 35A	90A / 45A / 30A	70A / 40A	80A / 50A	90A / 60A	
Dip Switch No.	Function Setting		Switch UP			Switch DOWN			
SW1	BATTERY LOW CUT OFF POINT		10.5 VDC			10.0 Vdc			
SW2	INPUT VOLTAGE RANGE		164-264VAC			185-264VAC			
SW3	FREQUENCY		50HZ			60HZ			
SW4	BATTERY POWER OR MAIN POWER		BATTERY PRIORITY			UTILITY PRIORITY			
SW5	BATTERY CHARGER CURRENT		100%			50%			

* specification Subject to Change without Prior Notice

OPTIONAL FEATURES - MPPT

control All SPH Model can put in Solar MPPT Control	Voltage	12V/24V	12V/24V	12V/24V	12V/24V	48V	48V
	Charging Current	20A	30A	40A	50A	20A	30A



MPPT Solar controller inside