

# SPH5000 Series

Intelligent charger & inverter -SPH series

## Features

- Auto switch 4 FUN: DC to AC , AC bypass, AC charger and UPS
- DIP Switches : Low Battery, AC Input Range , Power Saver, O/P Frequency, Solar/Utility AC Priority
- Efficiency up 3~5% than SPT, Idle consumption down 30~50%
- Output AVR: stabilized AC voltage RMS( optional)
- Start Auto restart while AC is recovering (optional)
- Dry contact: input no AC signal to other device( optional)
- Remote control RJ45/RS232 :PTM-9 and PTM-12(optional)
- Pure sine wave output ,input & output fully isolation
- Input : Utility AC or Generator etc
- Advanced microprocessor control
- Input polarity/UVP/OVP/OSP/OLP/OTP



## Specifications

Models	SPH5000-124	SPH5000-148	SPH5000-224	SPH5000-248
Output Power	4000W			
Surge Power	12000W			
DC Input Voltage	24VDC	48VDC	24VDC	48VDC
Output Voltage	100/110/120VAC±5%		220/230/240VAC±3%	
Output Frequency	50/60Hz ±0.5%			
Output Waveform	True sine wave (THD<3%)			
Power Factor	0.1~1			
Efficiency	89%	91%	90%	93%
No Load Power	<10W (Power saving mode)			
Transfer Time	<8 ms			
AC Range	184-253VAC (AVR:176-276VAC) /154-253VAC (AVR:150-276VAC) 100-135VAC (AVR:92-144VAC) /90-135VAC (AVR:78-144VAC)			
AVR Output AC	120VAC±10%		230VAC±10%	
Voltage Range	10.0~15.5VDC,*2 for 24VDC, *4 for 48VDC / 10.5~16VDC,*2 for 24VDC, *4 for 48VDC			
Charge Current	50A	30A	70A	40A
Remote Control	RJ45:PTM-9 or PTM-12			
Safety	UL458		LVD (EN60950)	
EMC	FCC Part15 ClassA		CE (EN55022:2006+A1:2007)	
Operating Temp	-20~50°C			
Working Humidity	20~90%RH			
Storage Temp	-30~70°C			
Cooling	Automatically controlled cooling fan			
Weight (kg)	43			
Size (mm)	600*218*180(L*W*H)			

\*Note: The Specifications are subject to changes without notice.