

# SPH4000 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	SPH4000-112	SPH4000-124	SPH4000-148	SPH4000-212	SPH4000-224	SPH4000-248
Output Power	4000W					
Surge Power	12000W					
DC Input Voltage	12VDC	24VDC	48VDC	12VDC	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	88%	89%	91%	89%	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	70A	35A	20A	70A	35A	20A
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℃					
Working Humidity	20~90%RH					
Storage Temp	-30~70℃					
Cooling	Automatically controlled cooling fan					
Weight (kg)	35					
Size (mm)	600*218*180(L*W*H)					

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