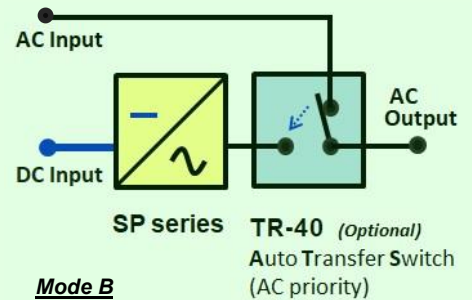
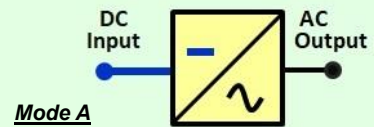


Pure Sine Wave Power Inverter - SP series

Model : SP-700 / SP-1000 / SP-1500 / SP-2000 / SP-3000 / SP-4000
Capacity : 700 / 1000 / 1500 / 2000 / 3000 / 4000 VA
DC Input : 48V / 24V / 12V (not for SP-4000)
AC Output : 115V / 230V , 50Hz / 60Hz , pure sine wave

Features:

- Wide DC input voltage range.
- Pure Sine Wave output.
- RS-232 communication.
- Output voltage and frequency selectable.
- Power saving mode selectable.
- Power ON/OFF remote control (Green Terminal).
- Light weight 、 Low profile and stylish ID design.
- Input & Output fully isolation.
- 3-color LED status indicators.
- Advanced protection features.
- E13 / UL / CE / FCC approved.
- Remote controller, CR-8 / CR-16A. (optional)



Remote controller
CR-16A (optional)



Remote ON/OFF
controller
CR-8 (optional)



Auto Bypass Transfer Switch
TR-40 (optional)

Model	SP-700	SP-1000	SP-1500	SP-2000	SP-3000	SP-4000
Output Rating Power	700 VA	1000 VA	1500 VA	2000 VA	3000 VA	4000 VA
Surge Power, (1 Sec)	< 1230 VA	< 1750 VA	< 2650 VA	< 3500 VA	< 6000 VA	< 8000 VA
Max. Power, (1 min)	115%					
Output Waveform	Pure Sine Wave (THD<3% @ 220Vac , THD<5% @ 110Vac)					
Output Voltage	200 / 220 / 230 / 240 Vac \pm 3% or 100 / 110 / 115 / 20 Vac \pm 5% (DIP switch selectable)					
Output Frequency	50 / 60 Hz \pm 0.5% (DIP switch selectable)					
Input DC Voltage	48 Vdc / 24 Vdc / 12 Vdc (not for SP-4000)					
Input Voltage Range	10.5~16.5 Vdc (12Vdc) ; 21.0~33.0 Vdc (24Vdc) ; 42.0~66.0 Vdc (48Vdc)					
Input No Load Current	\leq 1.5A@12Vdc \leq 0.8A@24Vdc \leq 0.5A@48Vdc	\leq 1.8A@12Vdc \leq 1.0A@24Vdc \leq 0.5A@48Vdc		\leq 3.8A@12Vdc \leq 2.0A@24Vdc \leq 1.0A@48Vdc		\leq 2.0A@24Vdc \leq 1.0A@48Vdc
Power Saving Mode	< 0.10A@12Vdc < 0.06A@24Vdc < 0.05A@48Vdc	< 0.10A@12Vdc < 0.05A@24Vdc < 0.05A@48Vdc		< 0.10A@12Vdc < 0.05A@24Vdc < 0.05A@48Vdc		< 0.2A@24Vdc < 0.2A@48Vdc
Efficiency (Max.)	91~94%	92~94%	91~94%	92~95%	90~94%	90~91%
Protection – input UVP	Protection : 10.5 Vdc / 21.0 Vdc / 42.0 Vdc \pm 2.4~2.8% Recovery : 12.5 Vdc / 25.0 Vdc / 50.0 Vdc \pm 2.0~2.4%					
Protection – input OVP	Protection : 16.5 Vdc / 33.0 Vdc / 66.0 Vdc \pm 1.5~1.8% Recovery : 14.5 Vdc / 29.0 Vdc / 58.0 Vdc \pm 1.7~2.1%					
Protection – output OLP	Shutdown Output Voltage, restart to recovery					
Protection – short	Shutdown Output Voltage, restart to recovery					
Protection - OTP	Heat sink temperature over 80°C \pm 5°C shutdown output voltage, recover automatically after heat sink temperature goes down to 60°C \pm 5°C					
DC Reverse Polarity	Protection By Fuse					
Operating Temperature	-20 ~ +40 °C ; 60°C @40% power load					
Storage Temp & Humidity	-30 ~ +70 °C , 10~95% RH (non condensation)					
Safety Standards	Certificated UL 458 @110Vac (for 12Vdc & 24Vdc) ; Certificated EN60950-1 @ 220Vac					
EMC Standards	110Vac : Certificated FCC Class A 220Vac : Certificated EN55022 ; EN55024 ; EN61000-3-2 , EN61000-3-3; EN61000-4-2 , 3, 4, 5, 6, 8, 11					
E-Mark	For 220Vac : Certified CISPR 25, ISO 11452-2 , ISO 7637-2					
LED Indicator	1.) Input voltage level, 2.) output load level , 3.) faulty status					
Accessory (Optional)	Remote Control CR-8 / CR-16A ; Transfer Switch TR-40					
Dry Contact Terminal	By relay					
Remote Control Terminal	6-port green terminal					
Dimension (WxHxD),mm	200x83x330	200x83x372	248x83x421	248x83x443	255x158x442	255x158x462
Weight, Kg	2.6	3.3	4.4	5.3	8.2	10
Cooling	Temperature & load controlled cooling fan					
Application	Home and office applications, portable power equipment, vehicle, yacht and off-grid solar power system ... etc.					