

Hand Carry AC Power Inverter+Charger+UPS+Utility+HAND Generator SPH-70 Series 700W 42AH / 605Wh



Features

- Utility+Inverter+Battery Charger+Transfer Switch +Hand Generator (Option) All in One
- **Option: Hand Generator. No Climate No Area Limit. Generate Electricity at Anywhere.**
- **Bypass Function**
- Long Backup Power Supply (UPS)
- Built-in Transfer Switch
- Loading & Temperature Controlled Cooling Fan
- Digital Displays
- Pure Sine Wave Output (THD <3%) R Load
- Lithium Polymer Rechargeable Battery
- Output Frequency : 50 / 60Hz Switch
- Output Voltage Switch Selectable
- Cold start function (DC start) functionality allows unit to operate with battery only
- Full Protection :
 - Charger:OVP, UVP, OCP, OTP, OLP, Short Circuit
 - Inverter:OVP, UVP, OTP, OLP, Short Circuit
 - Battery:Over-charge, Over-discharge, Overheat, Under temp, OVP, Short Circuit,
 - Housing:Aluminum

Applications



Industrial Control



Medical Equipment



Emergency Rescue



Military

Technical Specification

Model	A:110V / E:220V	SPH-7012-42ALP	SPH-7012-42ELP	
Type	Hand Carry	Hand Carry with Aluminum Housing		
Capacity	Continuous O/P Power	700 W		
	Surge Rating	780 W (3 mins)		
	Peak	1400 W		
USB Output	Numbers	4 pcs, 3 A / pcs		
DC Input	I/P Voltage	12 Vdc		
	I/P Voltage Range	10 - 16 Vdc		
	Over Voltage Alarm	15.5 Vdc		
	Over Voltage Cut-off	16.0 Vdc		
	Under Voltage Alarm	10.5 Vdc		
	Under Voltage Cut-off	10.0 Vdc		
Bypass (AC Input)	Nominal Voltage	A: 1 \emptyset 2W+G, 110 Vac	E: 1 \emptyset 2W+G, 220 Vac	
	Frequency	50 Hz / 60 Hz \pm 3 %		
Bypass	Inverter \leftrightarrow Bypass	4 ~ 6ms		
AC Output	AC Voltage Selectable	A: 1 \emptyset 2W+G, 100 / 110 / 115 / 120Vac (Switch Selectable) RMS \pm 3%	E: 1 \emptyset 2W+G, 200 / 220 / 230 / 240Vac (Switch Selectable) RMS \pm 3%	
	Frequency	50Hz / 60Hz \pm 0.05% (Switch Selectable)		
	Output Waveform	Pure Sine Wave, <3% THD @ Resistive Load		
	Output Power Factor	1.0		
	Peak Output Current	13 A	6 A	
	Efficiency @ Full Load	88 %	92 %	
Protection	Charger	OVP, UVP, OCP, OTP, OLP, Short Circuit		
	Inverter	OVP, UVP, OTP, OLP, Short Circuit		
	Battery	Over-charge, Over-discharge, Overheat, Under-temp, Over Current, Short Circuit		
	Housing	Aluminum		
	Safety	Application		
	EMC	110V System: FCC class B	Application	
Indicator	Digital Display	On Line, ByPass, OVP, UVP, OTP, OLP, VAC, AMP, WATT, VDC, TEMP, Hz		
	Turn On	Green, Red, Yellow LED light up normal operation for Charging		
	Charging	Yellow LED keep flashing, fan start up		
Battery	Battery Type	Lithium Polymer Rechargeable Battery		
	Battery Capacity	14.8V / 42AH*1pcs		
	Recharge Time	6.5 Hours to 90%		
	Life Cycle	Over 500 times		
	Battery Charger	12 V / 27 A		
Optional	YK-HG5014	50W Hand Generator, Output 14.6V / 2.7AH		
Environment	Operating Temperature	-20 $^{\circ}$ C ~ 50 $^{\circ}$ C		
	Storage Temp. Range	-30 $^{\circ}$ C ~ 70 $^{\circ}$ C		
	Relative Humidity	0~90%, non-condensing		
Cooling	Air Forced Fan	Loading & Temperature Controlled Cooling Fan		
Mechanical	Dimension (W*D*H)	280*162*160mm		
	Net Weight	7.0kgs		

* We reserve the right to change specifications without prior notice.