

SP300 ~ 600 Junior

SP Junior Series

Features

- Simulated sine wave AC output
- 12Vdc and 24Vdc models available
- Protection from connecting the wrong voltage battery
- Output short circuit protection
- Battery low, battery depleted, overheating alarms
- High efficiency



Application diagram



Accessories

For SP300 Junior



For SP600 Junior



Models with these output receptacles are available



Specifications

Model	SP300 Junior		SP600 Junior	
	DC 12V	DC 24V	DC 12V	DC 24V
DC System	DC 12V	DC 24V	DC 12V	DC 24V
Output Power	Continuous Power 300W		Continuous Power 600W	
Surge Power	900W		1500W	
Standby Current	< 0.5A	< 0.4A	< 0.5A	< 0.3A
Input Voltage	10VDC~15VDC	20VDC~30VDC	10VDC~15VDC	20VDC~30VDC
Output Voltage	AC 100V, 110V, 120V, 220V, 230V, 240V		AC 100V, 110V, 120V, 220V, 230V, 240V	
Output Waveform	Simulated Sine Wave		Simulated Sine Wave	
Efficiency	> 90%		> 85%	
Initial Checking	Auto-Detecting Wrong Battery Cont. ex. 12V / 24V			
Output Regulation	+5/-8% Intelligent AVR		± 5% Intelligent AVR	
Output Frequency	50Hz , 55Hz , 60Hz Crystal Controlled			
Cooling Control	AUTO-OPERATION FAN			
Output Short	Output Short Circuit Protection			
Low Battery	< 10.5V ± 0.5V PRE-ALARM, < 9.5V ± 0.5V Shut Down & Alarm	< 21V ± 1V PRE-ALARM, < 20V ± 1V Shut Down & Alarm	< 10.5V ± 0.5V PRE-ALARM, < 9.5V ± 0.5V Shut Down & Alarm	< 21V ± 0.5V PRE-ALARM, < 20V ± 0.5V Shut Down & Alarm
Over Heating	> 60°C Pre-Alarm, > 65°C Shut Down & Alarm			
Over Load	>330W Pre-Alarm, >360W Shut Down & Alarm		>630W Pre-Alarm >660W Shut Down & Alarm	
Battery Polarity Reverse	By Fuse			
Fuse	35A×1PC	20A×1PC	25A×3PCS	15A×3PCS
AC Outlet	2 AC Outlets, EUROPEAN TYPE: 1 AC Outlet		2 AC Outlets, EUROPEAN TYPE: 1 AC Outlet	
Dimension (L×W×H)	120×73×73mm		215×113×62mm	
Net Weight	0.6Kg		1.5Kg	

Specifications are subject to change without notices.

OPTI-Solar Asia:
Tel: +886-2-2246-7272
Fax: +886-2-2246-7312

OPTI-Solar USA:
Tel: +1-909-869-5700
Fax: +1-909-869-5730

OPTI-Solar Middle East:
Tel: +9714-8819-838
Fax: +9714-8819-938

OPTI-Solar Europe B.V.:
Tel: +31-40-2628050