

Power Inverter (Option: UPS Function) 2U 19"/23" Rack Mount Type / Open Frame Cabinet SPI-R2 Series, 2KVA / 2KW



Features

- For Telecom: 12 / 24 / 48Vdc DC Voltage
- For Power Plant: 110 / 220Vdc
- Pure Sine Wave Output (THD <3%) R Load
- Digital Displays
- **Bypass Function**
- Advanced Microprocessor
- Inverter mode / UPS mode (Option)
- Built-in Transfer Switch
- Loading & Temperature Controlled Cooling Fan
- Output Frequency : 50 / 60Hz Switch
- Adjustable Output Voltage
- Modularized IGBT infrastructure to ensure better durability
- Reliable Input Surge protection & EMI Suppression
- Cold start function (DC start) functionality allows unit to operate with battery only
- RS-232 Interface / Wire Connection to PC
- Option: SNMP Interface / Dry Contacts / Remote Control
- Protection : Input Under Voltage, Input Over Voltage, Overload, Short Circuit, Low Battery Alarm, Over Temperature

Applications



Railway Devices



Power Plant



Telecom System



ETC

Technical Specification

Model	A: 110V / E: 220V	SPI-R2 1202A	SPI-R2 2402A	SPI-R2 4802A	SPI-R2 1102A	SPI-R2 2202A	SPI-R2 1202E	SPI-R2 2402E	SPI-R2 4802E	SPI-R2 1102E	SPI-R2 2202E	
Type	Rack mounted Type	19" 2U										
Capacity	Continuous O/P Power	2000W										
	Surge Rating	3 Min.	2300W									
		3 Sec.	2500W									
	Peak	4000W										
DC Input	I/P Voltage (Vdc)	12	24	48	110	220	12	24	48	110	220	
	I/P Voltage Range (Vdc)	10-16	20-32	42-62	90-140	180-275	10-16	20-32	42-62	90-140	180-275	
	Over Voltage Alarm (Vdc)	15.5	31.0	61.0	135.0	270.0	15.5	31.0	61.0	135.0	270.0	
	Over Voltage Cut-off	16.0	32.0	62.0	140.0	275.0	16.0	32.0	62.0	140.0	275.0	
	Under Voltage Alarm	10.5	21.0	43.0	95.0	185.0	10.5	21.0	43.0	95.0	185.0	
	Under Voltage Cut-off	10.0	20.0	42.0	90.0	180.0	10.0	20.0	42.0	90.0	180.0	
Bypass (AC Input) (Option)	Nominal Voltage	A: 1 \emptyset 2W+G, 110Vac (90~130Vac)					E: 1 \emptyset 2W+G, 220Vac (180~260Vac)					
	Frequency	(50Hz ~ 60Hz) \pm 3%					(50Hz ~ 60Hz) \pm 3%					
	Protection	Electronic Circuits & AC Circuit Breaker										
Bypass	Inverter \leftrightarrow Bypass	4 ~ 6ms										
	Inverter \leftrightarrow Bypass Mode	Inverter Mode or UPS Mode by Switch (Option)										
AC Output	AC Voltage Adjustment	A: 1 \emptyset 2W+G, 100Vac~120Vac (Tune VR)					E: 1 \emptyset 2W+G, 200Vac~240Vac (Tune VR)					
	Voltage Accuracy	<2% at linear load										
	Frequency	50Hz / 60Hz \pm 0.05% (Switch Selectable)										
	Output Waveform	Pure Sine Wave, <3% THD @ Resistive Load										
	Output Power Factor	1.0					1.0					
	Peak Output Current (A)	36					18					
	Efficiency @ Full Load (%)	86	88	89	94	94	87	90	92	94	94	
	No Load Current Draw (A)	1.25	0.56	0.32	0.38	0.18	1.79	0.87	0.40	0.40	0.20	
Protection	Protection	Overload, Short Circuit, Reverse Polarity (Fuse), Input Under Voltage, Input Over Voltage, Over Temperature										
	Safety	EN60950-1										
	EMC	110V System: FCC class A					220V System: EN55022:2006, Class A EN61000-3 -2: 2006 EN 61000-3-3:1995+A1:2001+A2:2005					
Indicator	Digital Display	OVP, UVP, OTP, OLP, VAC, AMP, WATT, VDC, TEMP, Hz										
Communication	Interface Control Unit	RS-232C with Baud Rate 2400, 4800, 9600, 19200 (Switch Selectable) Option-1: SNMP Interface Option-2: Dry Contact: OVP, UVP, OTP, OLP										
	Remote Control Unit	Optional			Can't Support			Optional			Can't Support	
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)	424*435*88mm										
	Net Weight	12.8kgs										

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