

Power Inverter (Option: UPS Function) 2U 19" / 23" Rack Mount Type SPI-R2 Series, 3KVA / 3KW



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 1203A	SPI-R2 2403A	SPI-R2 4803A	SPI-R2 1103A	SPI-R2 2203A	SPI-R2 1203E	SPI-R2 2403E	SPI-R2 4803E	SPI-R2 1103E	SPI-R2 2203E	
Type	Rack mounted Type	19" 2U										
Capacity	Continuous O/P Power	3000W										
	Surge Rating	3 Mins	3200W									
		3 Sec.	3500W									
	Peak	6000W										
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: 1Ø 2W+G, 110Vac (90~130Vac)					E: 1Ø 2W+G, 220Vac (180~260Vac)					
	Frequency	(50Hz ~ 60Hz) ± 3%					(50Hz ~ 60Hz) ± 3%					
	Protection	Electronic Circuits & AC Circuit Breaker										
Bypass	Inverter↔Bypass	4 ~ 6ms										
	Inverter↔Bypass Mode	Inverter Mode or UPS Mode by Switch (Option)										
AC Output	AC Voltage Adjustment	A: 1Ø 2W+G, 100Vac~120Vac (Tune VR)					E: 1Ø 2W+G, 200Vac~240Vac (Tune VR)					
	Voltage Accuracy	<2% at linear load										
	Frequency	50Hz / 60Hz ± 0.05% (Switch Selectable)										
	Output Waveform	Pure Sine Wave, <3% THD @ Resistive Load										
	Output Power Factor	1.0					1.0					
	Peak Output Current (A)	54					27					
	Efficiency @ Full Load (%)	86	88	89	94	94	87	90	92	94	94	
	No Load Current Draw (A)	1.50	0.82	0.39	0.16	0.11	2.20	1.08	0.55	0.28	0.12	
	Standby Current Draw	≤ 1.5W Power Saving Mode					≤ 1.5W Power Saving Mode					
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 EN55024:1998+A1:2001+ A2:2003 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°C ~ 50°C										
	Storage Temp. Range	-30°C ~ 70°C										
	Relative Humidity	0~90%, non-condensing										
Cooling	Air Forced Fan	Loading & Temperature Controlled Cooling Fan										
Mechanical	Dimension (W*D*H)	424*445*88mm										
	Net Weight	14.3kgs										

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