

Telecom Inverter, Pure Sinewave 1U 19" / 23" Rack Mount Type SPI-R1 Series, 3.5KVA 12 / 24 / 48Vdc



Features

- For Telecom: 24 / 48Vdc DC Voltage
- Digital Displays
- Pure Sine Wave Output (THD <3%) R Load
- **Bypass Function**
- Advanced Microprocessor
- Built-in Transfer Switch
- Loading & Temperature Controlled Cooling Fan
- Output Frequency : 50 / 60Hz Switch
- Adjustable Output Voltage
- Input Surge protection & EMI Suppression
- Modularized IGBT infrastructure to ensure better durability
- 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



Telecom System



Medical Equipment



Car Electrification



ETC

Technical Specification

Model	A: 110V / E: 220V	SPI-R1 24035A	SPI-R1 48035A	SPI-R1 24035E	SPI-R1 48035E
Type	Rack mounted Type	19" 1U			
Capacity	Continuous O/P Power	3.5KVA / 3KW			
	Surge Rating	3.1KW / 3 Minutes			
		3.5KW / 3 Seconds			
DC Input	I/P Voltage	24 Vdc	48 Vdc	24 Vdc	48 Vdc
	I/P Voltage Range	20~32 Vdc	42~62 Vdc	20~32 Vdc	42~62 Vdc
	Over Voltage Alarm	31.0 Vdc	61.0 Vdc	31.0 Vdc	61.0 Vdc
	Over Voltage Cut-off	32.0 Vdc	62.0 Vdc	32.0 Vdc	62.0 Vdc
	Under Voltage Alarm	21.0 Vdc	43.0 Vdc	21.0 Vdc	43.0 Vdc
	Under Voltage Cut-off	20.0 Vdc	42.0 Vdc	20.0 Vdc	42.0 Vdc
Bypass (AC Input)	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			
AC Output	AC Voltage Regulation	1Ø 2W+G, 100 / 110 / 115 / 120 Vac (Switch Selectable) RMS ±3%		E: 1Ø 2W+G, 200 / 220 / 230 / 240 Vac (Switch Selectable) RMS ±3%	
	Frequency	50Hz / 60Hz ± 0.05% (Switch Selectable)			
	Output Waveform	Pure Sine Wave, <3% THD @ Resistive Load			
	Output Power Factor	0.85		0.85	
	Peak Output Current	25 A		11 A	
	Efficiency @ Full Load	87 %	89 %	88 %	90 %
	No Load Current Draw	1.13 A	1.0 A	1.25 A	1.2 A
	Standby Current Draw	≤ 1.5 W Power Saving Mode		≤ 1.5 W Power Saving Mode	
Protection	Protection	Overload, Short Circuit, Reverse Polarity (Fuse), Input Under Voltage, Input Over Voltage, Over Temperature			
	Safety	EN60950-1: 2006 & IEC60950-1: 2005 (2 nd Edition)			
	EMC	FCC Class B		EN55022: 2010/AC: 2011 Class B EN55024: 2010 IEC61000-4-2 Ed. 2.0:2008 IEC61000-4-3 Ed. 3.2:2010 IEC61000-4-8 Ed. 2.0:2009	
Indicator	Digital Display	OVP, UVP, OTP, OLP, VAC, AMP, WATT, VDC, TEMP, Hz			
Communication	Interface Control Unit	SNMP with Baud Rate 2400, or RS-232C with Baud Rate 2400, 4800, 9600, 19200 (Switch Selectable) Option-1: Dry Contact: OVP, UVP, OTP, OLP			
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	W424 * D446.8 * H44mm			
	Net Weight	9.0kgs			

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