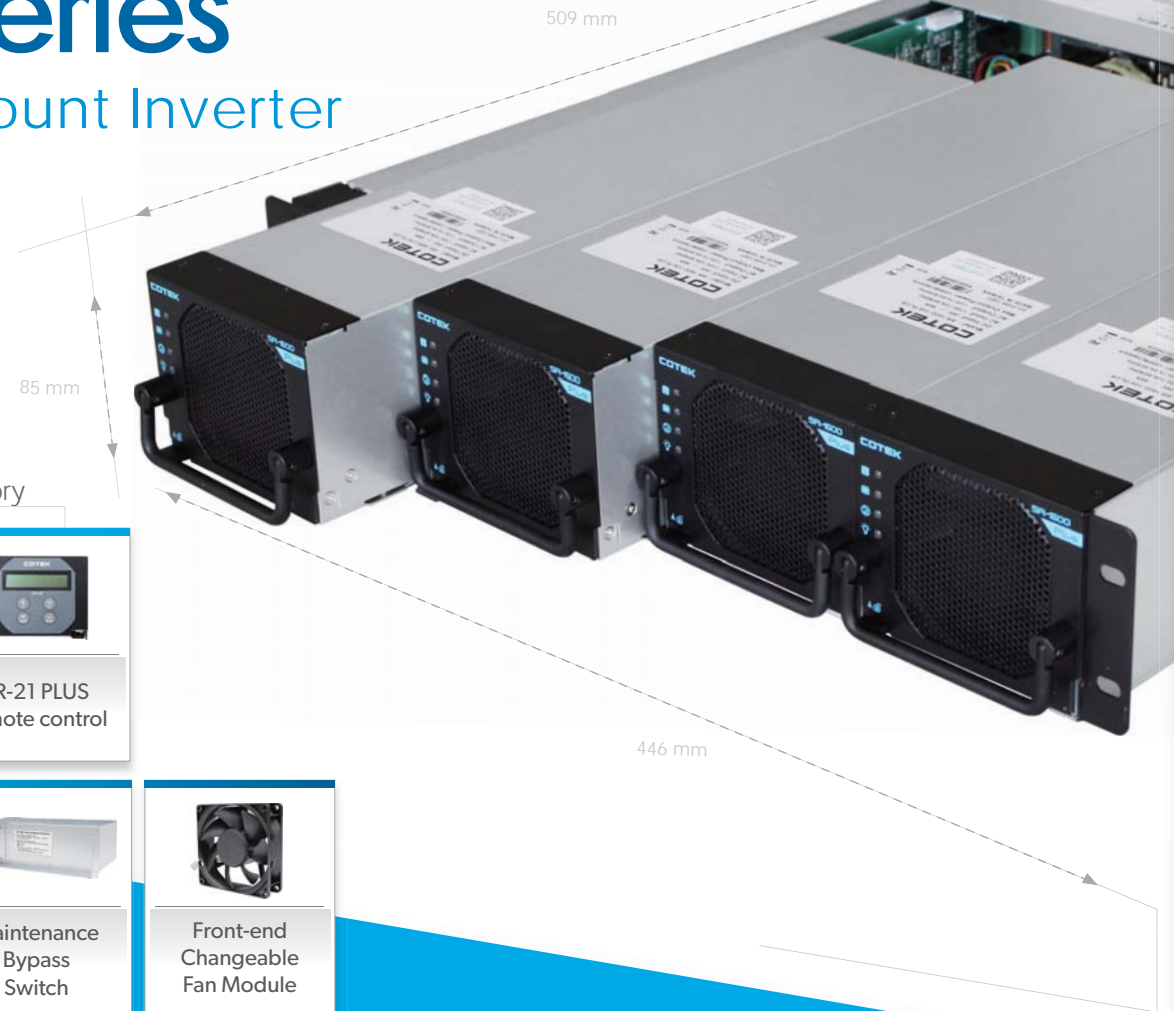




SR-Series

Rack Mount Inverter



Suggested Accessory

19" 2U high rack (Max. 4 Hot-Swappable Modules)	CR-21 PLUS Remote control	
SN-1 PLUS SNMP Module	Maintenance Bypass Switch	Front-end Changeable Fan Module

Features



Compact size
4 modules in one 2U shelf: 6.4KW



3-in-1 Operating Modes
1. Inverter mode 2. AC mode 3. Power Sharing



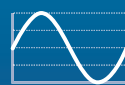
Output Efficiency Up to 95%



Support output parallel connection and redundancy (N+1), up to 32 modules (51.2KVA)



Seamless Transfer between DC and AC in each inverter module



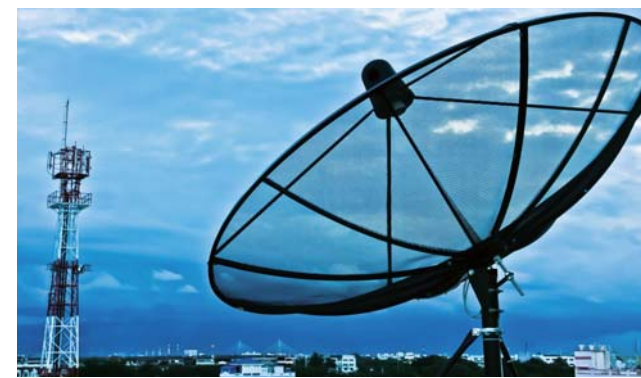
Embedded Function of Power Factor Correction (PFC) for Continual Pure Sine Wave

	SR-1600 PLUS-124	SR-1600 PLUS-148	SR-1600 PLUS-224	SR-1600 PLUS-248
AC Output				
Rating Power	1200W / 1600VA	1600W / 1600VA	1200W / 1600VA	1600W / 1600VA
Short Time Overload Capacity	150% rated power (15 seconds)			
Nominal Voltage (AC)	120VAC		230VAC	
Output Voltage Range (AC)	100~120VAC ± 3%		200~240VAC ± 2%	
Efficiency AC Mode	94%		95%	
Efficiency DC Mode	89%	90%	90%	91%
Frequency Range	50 / 60 Hz			
THD (Above 80% Resistive Load)	< 3%			
Turn ON Delay	<10 sec.			
Crest Factor at Nominal Power	DC mode: 3 times nominal current	AC mode: 6 times nominal current	DC mode: 3 times nominal current	AC mode: 10 times nominal current
AC Input				
Nominal Voltage (AC)	120VAC		230VAC	
Voltage Range (AC)	90~130VAC ± 3% (adjustable from 75V to 132.5V)		180~260VAC ± 2% (adjustable from 150V to 265V)	
Power Factor@Rating Power	> 0.99			
Frequency Range	50 / 60 Hz			
Synchronization Range	47~53 Hz, 57~63 Hz			
DC Input				
Nominal Voltage (DC)	24VDC	48VDC	24VDC	48VDC
Voltage Range (DC)	18~34VDC ± 3%	36~68VDC ± 3%	18~34VDC ± 3%	36~68VDC ± 3%
Nominal Current (at 24Vdc/48Vdc)	56A	37A	56A	37A
Max. Input Current (15 Sec.)	90A	60A	90A	60A
Control & Signal				
Indicator	LED			
Advanced Control	RS-485 control module (MODBUS), CR-21 LCM (Optional), SN-1 SNMP (Optional)			
Failure Indicator	Buzzer alarm			
Historical Record	Event Log			
Protection				
DC Input Protection	Over Voltage / Under Voltage / Reverse Polarity			
AC Input Protection	Over Voltage / Under Voltage / Over Current			
Output Protection	Short Circuit / Overload / Over Temperature			
Transfer Performance				
Inverter to Utility AC	0 sec.			
Utility AC to Inverter	0 sec.			
Environment				
Operating Temp.	Full Load -25°C ~ 40°C; Power De-rating from 40°C to 60°C			
Storage Temp.	-40°C ~ 70°C			
Working Humidity	95% RH non-condensing			
Vibration	BS EN 61373			
Safety & EMC				
Safety Standards	Meet UL 60950-1		EN 60950-1	
EMC Standards	FCC class B		EN55022 Class B; EN 61204-3; EN55024 EN 61000-3-2, -3-3, -6-1, -6-3; IEC 61000-4-2, 3, 4, 5, 6, 8, 11	
Other				
Dimension (WxHxD) - Module	105x83x410 mm / 4.13x3.27x16.14 inch			
Dimension (WxHxD) - Shelf	446x85x509 mm / 17.56x3.35x20.04 inch			
Packing	Module : 3.8kg; 4pcs / 17.2kg; Shelf : 6.5kg; 1pc / 7.5kg			

Applications



Telecom / Datacenter



Satellite / Power Station



Renewable Energy



Military



Transportation / Train Station



Broadcasting



SR-1600 PLUS Product List

Model Name	Photo	Description	Features	Dimension (WxHxD)
SR-1600 PLUS		SR-1600 PLUS module	<ul style="list-style-type: none"> Output Power 1600VA Per module 4 LED lights indicating the status of module / DC input / AC input / Output load Hot-swappable plug in with the front-end handle Easy installation and maintenance 	105x83x410 mm 4.13x3.27x16.14 inch
110V : 2U1 PLUS 230V : 2U2 PLUS		Rack	<ul style="list-style-type: none"> 19" 2U high rack mount High Capacity of maximum 4 modules per rack by total output power 6.4K VA Parallel connection up to 8 shelves 	44685x509 mm 17.56x3.35x20.04 inch
SN-1 PLUS		SNMP	<ul style="list-style-type: none"> Manage the information display and system configuration via Ethernet LED light indicating real time status Easy Installation by Plugging in 	—
CR-21 PLUS		Remote Control	<ul style="list-style-type: none"> Onsite system management including monitor and control Easy Operating by 4 buttons panel (UP / Down / Esc / Enter) The clear display by LCD back-light 	—
Bypass Switch		Maintenance Manual Bypass Switch	<ul style="list-style-type: none"> 19" 2U high rack mount Support up to output power 15K VA Keep the loads operating when battery maintenance is necessary 	485x132x350 mm 19.09x5.20x13.78 inch
Front-end Changeable Fan Module		Front-end Changeable Fan Module	<ul style="list-style-type: none"> Removable fan module for the maintenance 4500 RPM +/- 10% at rated voltage 	—