

SR-1600 PLUS Quick Product Introduction

Rack Mount Pure Sine Wave Inverter



IMPORTANT: Please must read the Installation and Maintenance Instructions Before Connecting to the Supply. Please download and read the user manual from COTEK website or QR code before starting to use the SR Inverter.



Scan QR Code to view
the User Manual

	SR-1600-124 PLUS	SR-1600-148 PLUS	SR-1600-224 PLUS	SR-1600-248 PLUS
AC Output				
Rating Power	1200W / 1600VA	1600W / 1600VA	1200W / 1600VA	1600W / 1600VA
Overload Capacity	105%~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			
AC Input				
Nominal Voltage (AC)	120VAC		230VAC	
Voltage Range (Full power rating)	90~130VAC ± 3%		180~260VAC ± 2%	
Compliance range before transfer to DC	Adjustable from 75-132.5Vac		Adjustable from 150-265Vac	
Power Factor	> 0.99 @Rating Power			
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
Environment				
Operating Temp. Without Derating	-25°C ~ 40°C			
Storage Temp.	-40°C ~ 70°C			
Working Humidity	95% RH non-condensing			
Vibration	BS EN 61373 for Railway application			
Safety & EMC				
Safety Standards	Meet UL 62368-1		EN62368-1	
EMC Standards	FCC class B		EN 55032: 2015+A11:2020 EN 55035: 2017 / A11: 2020	
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			

■ Suggested SR-1600 Product List



SR-1600 PLUS
module



19" 2U high rack
(Max. 4 Hot-Swappable
Modules)



SN-1 PLUS
SNMP Module



CR-21 PLUS
Remote control

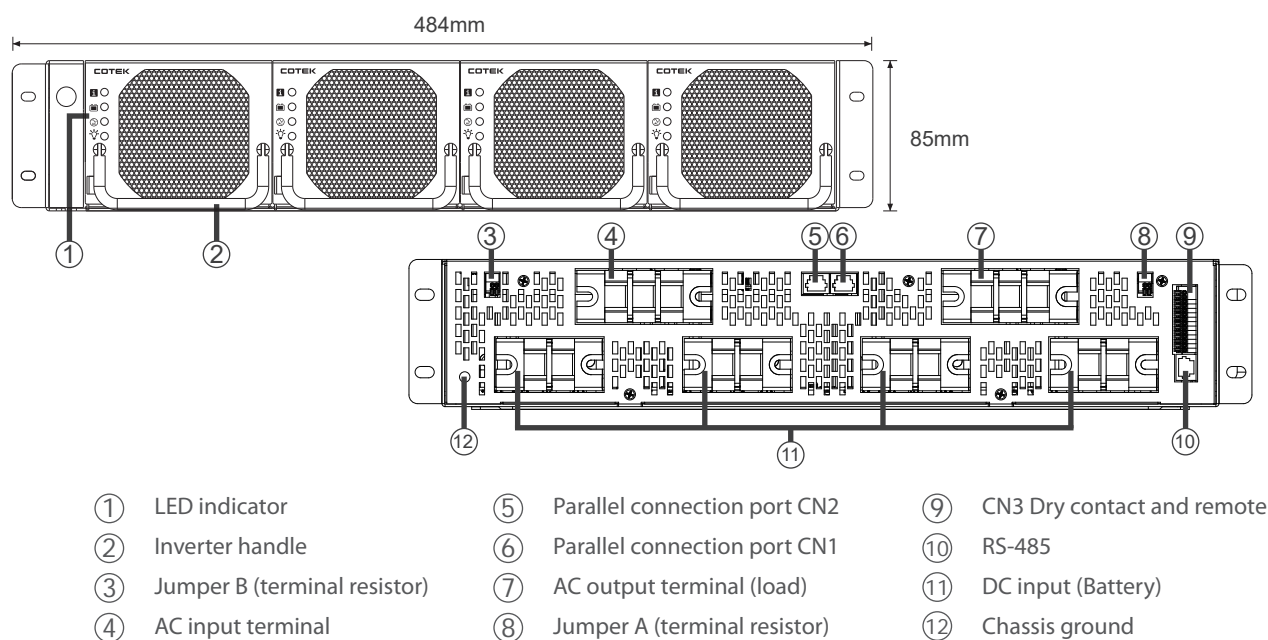


Maintenance
Bypass Switch

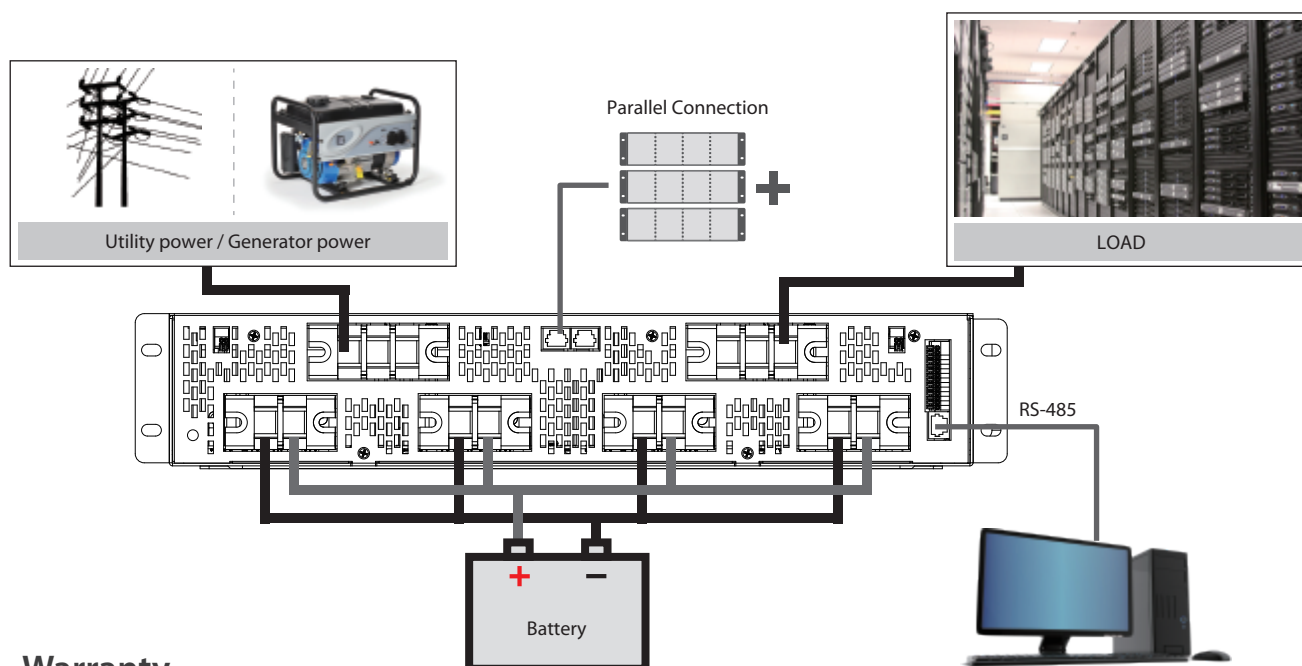


Front-end
Changeable
Fan Module

Product Appearance



Product Installation



Warranty



Warning!

Do not open or disassemble the Inverter. Attempting to do so may cause risk of electrical shock or fire.

We guarantee this product against defects in materials and workmanship for a period of 24 months from the date of purchase.

In case you need to repair or replace any defective power inverters, please contact COTEK local distributor.

This warranty will be considered void if the unit has been misused, altered, or accidentally damaged. COTEK is not liable for anything that occurs as a result of the user's fault.