








# COTEK Pure Sine Wave Inverter & Inverter Charger

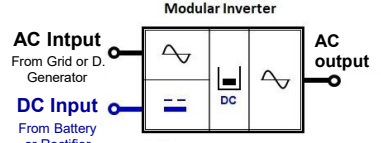
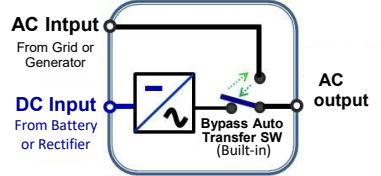
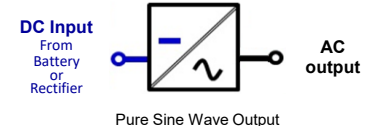
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Appearance	Series	Features	Output Wattages											
			200	400	700	1000	1200	1500	1600	2000	2500	3000	3500	4000
 CE FC cULus E	SP	<b>Pure Sine Wave Inverter</b> ■ Stylish ID design ■ Light weight and low-profile design (83mm below 2000W) ■ Intelligent software for power management ■ Input & Output fully isolation ■ Output voltage & Freq. selectable by DIP switch ■ Advanced protection features ■ Alarm dry contact ■ Support RS-232 ■ Power ON/OFF remote control ■ UL, E13, CE, FCC approved			⊙	⊙		⊙		⊙		⊙		⊙ 24V/48V
 CE FC cULus E	SE	<b>Pure Sine Wave Inverter</b> ■ Pure Sine Wave output ■ Power ON/OFF remote control (Green Terminal) ■ input & output fully isolation ■ Power saving mode selectable(<2W) ■ Output voltage & Frequency selectable by DIP switch ■ Input & Output protection ■ CE, E13, FCC(SE-200 & SE-400), UL458(SE-400) approved.	⊙ 12/ 24V	⊙ 12/24/48V										
 CE FC cULus E	SD	<b>Parallel Redundancy design</b> for power expansion , <b>With Bypass ATS</b> ■ Automatic master mechanism to eliminate single point failure and optimize reliability ■ Input & output isolation ■ <b>Built-in ATS</b> and AC circuit breaker ■ Optional STS module to short transfer time less than 4mS ■ RS-232 communication interface ■ E13, UL, CE, FCC approved ■ <b>1Φ2W,1Φ3W,3Φ4W</b> for multiple industrial applications						⊙			⊙		⊙	
 FC cULus	SPT	<b>Pure Sine Wave Inverter with Bypass Auto Transfer Switch(ATS)</b> ■ High Power Density & Light Weight ■ Input & Output fully isolation ■ Built-in ATS (Auto Transfer Switch) & AC circuit breaker ■ Reverse Polarity Protection by Mosfet & The LED Indicator ■ Modbus & RVC protocol communication ■ UL, FCC approved					⊙ 12V/24V			⊙ 12V/24V		⊙ 12V/24V		
 CE FC cULus	SR-1000T	<b>Standard 19" 1U rack mountable stand alone model</b> ■ Built-in Auto Transfer Switch and AC Breaker ■ Selectable On-line/Off-line operation modes ■ RS-232 communication port ■ Dry contact for system alarm ■ Fan failure alarm with buzzer ■ Hard-ware and dual AC outlet output connection. ■ UL, CE, FCC approved.				⊙ 24V/48V								
 FC CE	SR-1600 plus	<b>Modular Hot swappable inverter</b> with LED indicator ■ Support output parallel connection <b>up to 32 modules (51.2KVA)</b> ■ True redundancy (N+1) with no single point of failure ■ <b>Seamless transfer time (0mS)</b> ■ Standard 19" 2U rack mount ■ DC mode or AC mode selectable ■ High efficiency upto 95% at AC mode ■ Dual input source (AC & DC) ■ Replaceable fan module to make maintenance easy ■ Dry contact for system alarm ■ Input protection: Reverse polarity, UVP, OVP, OCP(AC) ■ Output protection: SCP, OLP, OTP ■ CE, FCC approved.							⊙ 24V/48V  1600VA /module  6400VA / Shelf					
 SC-1200 SC-2000 UL cULus FC CE E	SC	<b>Pure Sine Wave Inverter Charger</b> ■ <b>Bi-directional</b> transfer, All-in-one-design ■ Compact Size: Highly Integration=Installation hassle-free ■ Certified by UL: UL458 & Supplement SA/ CSA C22.2 No.107.1-01. UL1741/ KKK-A-1822F (for Ambulance) ■ 5-in-1 Operating Modes: 1.) Inverter mode, 2.) Charger mode, 3.) Power Sharing 4.) Power Generation 5.) Power Support					⊙ 12V/24V			⊙ 12V/24V		⊙ 12V/24V		

# COTEK Inverter & Inverter Charger Equipped Functions Over-View

v2506

Equipped Functions Description	SR-1600 Plus	SR-1000T	SD	SPT	SP	SE	SC Inverter Charger	Operation Mode
	Modular Rack-mount Inverter	1U Rack-mount Inverter	Parallelable Inverter with Bypass ATS	Pure Sine Wave Inverter with Bypass ATS	Pure Sine Wave Inverter		Inverter Charger	
Pure Sine Wave AC Output	✓	✓	✓	✓	✓	✓	✓	<b>Fig. a SR-1600 plus Inverter Module</b>  * Efficiency : AC~AC : 95% ; DC~AC : 91% * Auto Transferring to maintain uninterrupted load. * Selectable DC to AC priority. * Seamless transfer Time (0ms).
Stand-Alone Type	---	✓	---	✓	✓	✓	✓	
Parallel Redundancy N+1 Design for Power Expansion	✓	---	✓	---	---	---	---	<b>Fig. b , SD series &amp; SR-1000T Inverter</b>  Selectable - DC mode (DC priority) - AC mode (AC priority)
Application for AC 1Φ2W, 1Φ3W, 3Φ4W (Y)	---	---	✓	---	---	---	---	
Modular & Hot swappable redundancy with LED indicator	✓	---	---	---	---	---	---	<b>Fig. c , SP &amp; SE Series Inverter</b>  Pure Sine Wave Output
Standard 19" rack mount	✓	✓	with external bracket	with external bracket	with external bracket	with external bracket	with external bracket	
Built-in Auto Transfer Switch(ATS) or Function (ATF) for Bypass	✓	✓	✓	✓	---	---	✓	
Seamless Transfer Time (0 mS) *	✓	---	---	---	---	---	✓	
Selectable DC mode (DC ptiory) / AC mode (AC priority)	✓	✓	✓	✓	---	---	---	
RS-232 or RS-485 Communication	RS-485 MODBUS	RS-232	RS-232 (Option Ethernet)	RS-485 MODBUS	RS-232	---	RS-232	
Output Voltage & Freq. selectable by DIP switch or setting	✓	✓	✓	✓	✓	✓	✓	
DC input alarm & shutdown setting by user	✓	✓	✓	✓	✓	---	✓	
Dry Contact	✓	✓	---	✓	✓	---	✓	
Power ON/OFF remote control	✓	✓	✓	✓	✓	✓	✓	
Input & Output fully isolation	✓	✓	✓	✓	✓	✓	✓	
Load & Thermal control fan	✓	✓	✓	✓	✓	✓	✓	
Optional, Adding STS to reduce transfer time less than 4ms	* better than (Seamless Transfer)	---	✓	---	---	---	* better than (Seamless Transfer)	
Optional, SNMP	✓	---	---	---	---	---	---	
Optional, Remote Controller	CR-21	---	CR8 / CR6 / CR10	CR-22 / CR-8	CR8 / CR16A	CR-8	CR-20C	
Battery Charger	---	---	---	---	---	---	✓	
Operation Mode	Fig. a	Fig. b	Fig. b	Fig. b	Fig. c	Fig. c	Fig. b + Double Transfer	
Remark	Max. 32 modules		Max. 5 nos. SD parallel					

## ComMax International Company

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