



SP Serie

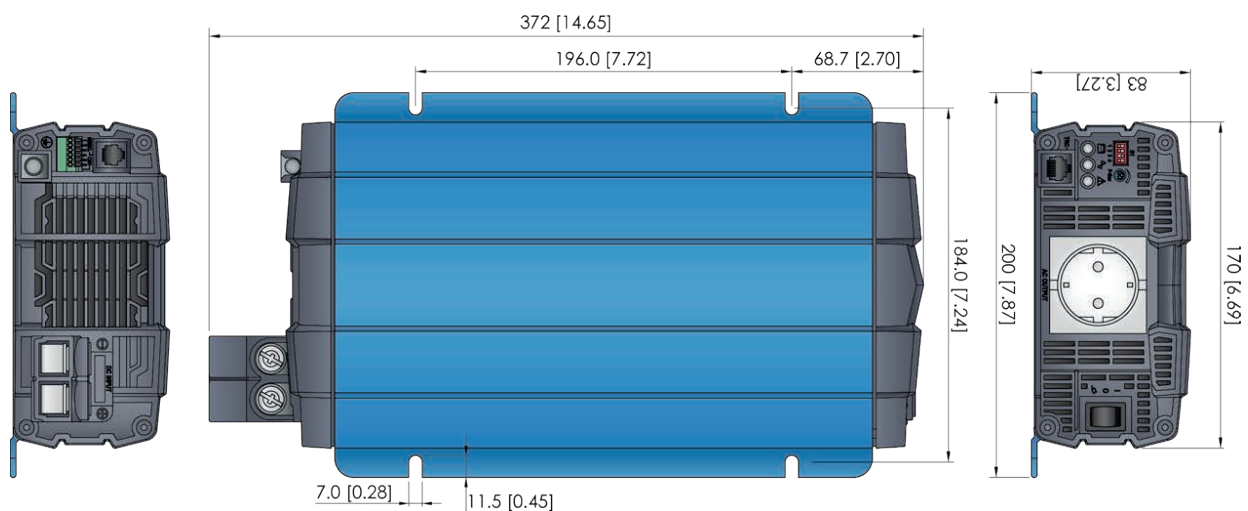


700 ~ 4000W Pure Sine Wave Inverter

Cotek pure sine wave inverter SP series, the optimization of the reliable SK series. "The inverter classic in the vehicle". Reliable basic technology, millions of applications worldwide, from 700 to 4000 W.

Features

- Pure sine output (THD <5% @ Normal charge @ 12.5V/25V/50V)
- RS-232 communication
- Power ON / OFF remote control (Green terminal).
- Remote controller CR 8 / CR16 Operation (selectable).
- Input & output fully isolated temperature and load-controlled fan
- Built-in microprocessor for user-friendly interface
- Output frequency 50/60 Hz DIP switch selectable
- Output voltage DIP switch selectable
- Energy-saving mode adjustable, resistance selectable
- Tri Color Indicators Display status
- AC transfer function Accessories (TR40)
- Protection: Input overvoltage / Input voltage / Overtemperature / overload / Short circuit / polarity reversal (Internal backup)



Specifications are subject to change without notice. No liability is accepted for possible printing, translation or transmission errors.

PURE SINE WAVE INVERTER

700 ~ 4000W

COTEK

SP

Serie



Model		SP-700			SP-1000			SP-1500			SP-2000			SP-3000			SP-4000		
Type		212	224	248	212	224	248	212	224	248	212	224	248	212	224	248	224	248	
Output	Continuous output power	700 VA (±3%)			1000 VA (±3%)			1500 VA (±3%)			2000 VA (±3%)			3000 VA (±3%)			4000 VA (±3%)		
	Maximum output Performance (1min)	>700 VA~810 VA (100%~115%)			>1000 VA~1150 VA (100%~115%)			>1500 VA~1730 VA (100%~115%)			>2000 VA~2300 VA (100%~115%)			>3000 VA~3450 VA (100%~115%)			>4000VA~4600VA (100% ~ 115%)		
	peak performance (1 sec)	< 1230 VA			< 1750 VA			< 2650 VA			< 3500 VA			< 6000 VA			< 8000 VA		
	Frequency	50/ 60 Hz ± 0.5%																	
	output voltage	200/ 220/ 230/ 240 VAC ± 3%																	
	Efficiency max.	91%	93%	94%	92%	94%	94%	93%	94%	94%	94%	94%	95%	90%	93%	94%	90%	91%	
	Short circuit protection	1 sec shut down																	
	Output waveform	Pure sine wave (THD <5% @ Normal charge) ¹																	
Input	AC-output	socket														terminal strip			
	voltage (VDC)	12	24	48	12	24	48	12	24	48	12	24	48	12	24	48	24	48	
	Input overvoltage protection (VDC)	16.5 ± 0.3	33 ± 0.5	66 ± 1.0	16.5 ± 0.3	33 ± 0.5	66 ± 1.0	16.5 ± 0.3	33 ± 0.5	66 ± 1.0	16.5 ± 0.3	33 ± 0.5	66 ± 1.0	16.5 ± 0.3	33 ± 0.5	66 ± 1.0	33 ± 0.5	66 ± 1.0	
	Input undervoltage protection (VDC)	10.5 ± 0.3	21 ± 0.5	42 ± 1.0	10.5 ± 0.3	21 ± 0.5	42 ± 1.0	10.5 ± 0.3	21 ± 0.5	42 ± 1.0	10.5 ± 0.3	21 ± 0.5	42 ± 1.0	10.5 ± 0.3	21 ± 0.5	42 ± 1.0	21 ± 0.5	42 ± 1.0	
	voltage range (VDC)	10.5 ~ 16.5	21 ~ 33	42 ~ 66	10.5 ~ 16.5	21 ~ 33	42 ~ 66	10.5 ~ 16.5	21 ~ 33	42 ~ 66	10.5 ~ 16.5	21 ~ 33	42 ~ 66	10.5 ~ 16.5	21 ~ 33	42 ~ 66	21 ~ 33	42 ~ 66	
	No-load current (A VDC)	<1.5	<0.8	<0.4	<1.5	<0.8	<0.4	<1.8	<1.0	<0.5	<1.8	<0.9	<0.5	<1.8	<0.9	<0.5	<1.9	<1.0	<1.0
	power saving mode (A VDC)	<0.1	<0.05	<0.05	<0.1	<0.05	<0.05	<0.1	<0.05	<0.05	<0.1	<0.05	<0.05	<0.1	<0.05	<0.05	<0.2	<0.1	<0.2
Protection	input protection	Over- / undervoltage, reverse polarity (internal fuse)																	
	AC output protection	Short circuit, overload																	
	Other	Over / undertemperature protection (by heat sink temperature)																	
Signal and Control	Remote control unit	CR8/ CR16 (optional)																	
	LED display	Red/ orange/ green LED																	
	Dry contact connection	through a relay																	
	Remote control terminal	Green terminal (for inverter ON / OFF)																	
working temperature	Operation	-20°C ~ 40°C (100%) / + 60°C (40%)																	
	storage	-30°C ~ 70°C																	
cooling	Temperature and load-controlled fans																		
AC transmission & function accessories	TR40 (optional)																		
EMC Standards	EN55022: Class A; EN55024: Class A; EN61000-3-2: Class A; EN61000-3-3																		
	E13; 22846																		
security certificates	EN60950-1																		
mechanical specifications	Dimensions (WxHxD)	200x83x292.6 mm			200x83x334.7 mm			248x83x382.5 mm			248x83x404.5 mm			255x158x442 mm			255x158x462 mm		
	weight	2.6 kg			3.24 kg			4.42 kg			5.24 kg			8,2 kg			10 kg		

¹ Normal state VfN = 12.5V / 25V / 50V Vo = 200/220/230 / 240VAC 80% Full load (PF = 1.0)