

COTEK

Professional Power Solutions Design and Manufacturing



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Pure Sine Wave Inverter / Charger

Reliably Independent Power



Inverter / Charger



SC Series



SL Series

Pure Sine Wave Inverter



SD Series



SPT Series



SP Series



SE Series

Charger



CX Series

Battery



BL Series

2024 / 2025
Product Catalog

We aspire to enhance human life by simplifying complexity and enriching user experiences

COTEK is dedicated to listen to customer needs, and providing creative power conversion solutions accordingly. Our extensive worldwide distribution network ensures efficient and timely service locally. Furthermore, COTEK prioritize social and environmental responsibility and obtained ISO-14064-1 certification since 2023, marking the milestone for carbon reduction. Being a D&B ESG mark certified enterprise COTEK embraced ESG principles in our daily operations to make our society and environment better and greener.



COTEK Profile

COTEK is committed to providing proactive service, innovative technology and total quality assurance since COTEK was established in 1986. With Corporate Offices in Taoyuan, Taiwan, COTEK is a technology-oriented company focusing on developing, designing and manufacturing products including:

- 1 DC / AC Pure Sine Wave Inverter
- 2 Inverter / Charger
- 3 Battery Charger
- 4 AC / DC Switching Mode Power Supply
- 5 Rack Inverter
- 6 Rectifier



D&B Top 1000 Elite SME Award
D-U-N-S Number : 65-728-6662

Applications

Cotek's advantage

Full Inverter & Charger Product Portfolio

Inverter, Charger, Inverter Charger and Rack mount inverter

Full line-up of Power Inverter solutions

200~4000Watts, 100-120VAC & 200-240VAC, 12/24/48VDC

Meet Global Safety Standards

UL, FCC, CE, TUV, E-Mark, etc...



Marine



Boom Lift



Emergency Lighting



Movable Energy Storage



Backup Power



Automotive

Product Index

Pure Sine Wave Inverter, Inverter / Charger

				200	400	700	1000	1200	1500	2000	2500	3000	3500	4000	Wattages
	SC	High Frequency Inverter / Charger	P.11					○		○		○			
	SL	Low Frequency Inverter / Charger	P.13							○		○			
	SD	Parallelable Pure Sine Wave Inverter with AC Bypass Function	P.15						○		○		○		
	SPT	Pure Sine Wave Inverter with Transfer Switch	P.7					○		○		○			
	SP	Pure Sine Wave Inverter 700W~4000W	P.17			○	○		○	○		○		○	
	SE	Pure Sine Wave Inverter 200W~400W	P.21	○	○										

Advanced Battery Charger

		12V					24V				
	CX	Intelligent Battery Charger with Power mode	P.19	15A	25A	35A	50A	80A	12.5A	25A	40A

Battery

	BL	Lithium Iron Phosphate (LiFePO4) Battery	P.9	100Ah / 12V
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Remote Control

		SC Series	SL Series	SD Series	SPT Series	SP Series	SE Series	CX Series	BL Series
	CR	CR-22, CR-20C, CR-16B	CR-20, CR-16B	CR-10, CR-8, CR-6	CR-22, CR-8	CR-16A, CR-8	CR-8	CR-1	CR-22

Pure Sine Wave Inverter with Transfer Switch

This new inverter line SPT series is probably the highest power density inverter line ever in mobile inverter industry. With embedded transfer switch , flexible power sources are available always. It's so compact and low profile that you can easily place it under driver's seat or within a limited space. In spite of its high power density, performance is not traded off. High surge power and reverse polarity protection enhances the load driving capacity meanwhile provides a hassle free experience.Suitable for both industrial and leisure use.



High Power density and compact size

Installable for most of limited system spaces, while still hosts robust power output



High Surge power

ability to handle spikes or surges in power demand for longer time, such as compressor or motor load



Reverse Protection by Mosfet & The LED Indicator

Safeguards the inverter from damage caused by wrong battery connection

Suggested Accessory



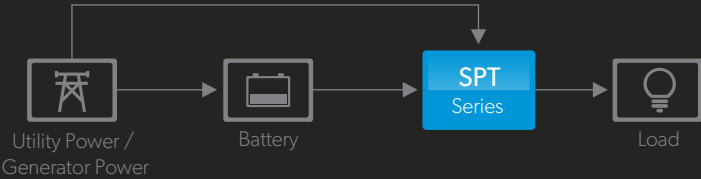
CR-8
Remote Control
(Power on/off)



CR-22
Remote Control
(Display + Setting)



Connection Diagram



Specification

	SPT-1200	SPT-2000	SPT-3000
Output			
Rated Power	1200 VA	2000 VA	3000 VA
Function & Environment			
Input Protection	OCP (fuse) / Battery Reverse Polarity (mosfet) / OVP / UVP		
Output Protection	Short-Circuit / Overload		
Working Temp.	-20°C ~ 40°C, Power De-rating 41°C ~ 60°C		
Storage Temp	-40°C ~ 70°C, Max. 95%, RH non-condensing		
Control & Signal	LED / Remote Control (Optional) / RJ45x2 (RS485) / Wet & Dry contact terminal / DIP Switch		
Dimension (WxHxD)	227 x 86 x 336 mm	253 x 86 x 366 mm	290 x 102 x 409 mm
Weight	3.4kg	4.4kg	6.5kg

	SPT Series - 112	SPT Series - 124	SPT Series - 212	SPT Series - 224
Output				
AC Voltage	100 / 110 / 115 / 120 VAC, 50/60 Hz ± 3%		200 / 220 / 230 / 240 VAC, 50/60 Hz ± 3%	
Output Waveform	Pure Sine Wave (THD<3% @ Normal Load)			
Input				
DC Voltage	12.5VDC	25VDC	12.5VDC	25VDC
Voltage Range	10~16.5VDC	20~33VDC	10~16.5VDC	20~33VDC
Power Saving Mode	≤0.1A@12.5VDC	<0.1A@25VDC	<0.1A@12.5VDC	<0.1A@25VDC
Protection				
Efficiency (Max.)	91%	92%	91%	92%
Safety & EMC				
Safety Standards	UL 458		EN 62368-1	
EMC Standards	FCC class A : SPT-3000 FCC class B : SPT-1200, SPT-2000		EN 55032 class A : SPT-3000 class B : SPT-1200, SPT-2000 EN 55035 EN 61000-3-2, -3-3 EN 61000-4-2, 3, 4, 5, 6, 8, 11	
E-mark	---		CISPR 25; ISO 7637-2	



User's Manual

NEW
Arrival

Lithium Iron Phosphate (LiFePO4) Battery

Engineered with Lithium Iron Phosphate (LiFePO4) for a robust 12.8V output. Through Cotek's proprietary design - smart energy monitor CR-22, it tightly integrates with LFP and Cotek inverter chargers, automatically configuring optimal charging parameters for LFP, eliminating the hassle of manual setup. Versatile configurations—series, parallel, or series/parallel—enable system voltages of 12V, 24V, or 48V.



Compact Size

Up to 16% space savings compared to standard LFP batteries in the market.



Dual terminal design

Easy installation for technician or end-user



Intuitive Apple OS & Android App via Bluetooth connection

Monitor cell voltages, temperature and various alarms via Bluetooth

Suggested Accessory



CR-22 Central Controller

With CR-22 remote, once the remote detects Cotek inverter/charger and Cotek LFP, CR-22 will set the charging parameter automatically.

inverter/charger

CR-22

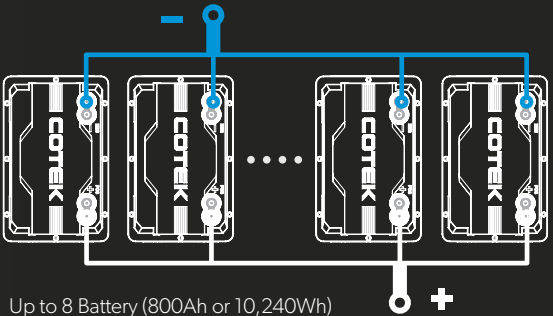
BL-Series

Smart Energy System

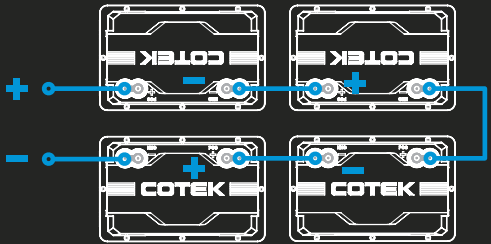
Easy Operation and Maintenance



Parallel



Series



Up to 4 Battery (48Vdc)



Specification

Model	BL-100N-12	BL-100H-12	BL-100M-12	BL-100MH-12
Nominal Voltage	12.8 V			
Nominal Capacity	100 Ah			
Nominal Energy	1280 Wh			
Max.Charge Current	100 A			
Max.Discharge Current	100 A			
Peak Discharge Current	250A(3s)			
Charge operating temperature	0°C - 55°C	-20°C - 55°C	0°C - 55°C	-20°C - 55°C
Discharge Operating temperature	-20°C - 60°C			
Cut off voltage	10 V			
Series/Parallel	4 in series and 4 in parallel			
Bluetooth	No		Yes	
Heating	No	Yes	No	Yes
Comm. Support	No		Yes	
Life cycle (DOD 80%)	3500			
Certificate	Telec,CE-IEC62619, E-Mark, UN38.3+MSDS, UL1642		Telec,CE-IEC62619, E-Mark, UN38.3+ MSDS, FCC	
Warranty	5			
Dimensions	279*178*193 mm			
Weight	10.5 Kg	10.8 Kg	10.5 Kg	10.8 Kg



User's Manual

High Frequency Pure Sine Wave Inverter / Charger

Cotek SC Germini line not only combines stable pure sine wave inverter and battery charger, but also makes them bi-directional. SC bi-directional inverter charger serves a dual purpose of converting DC (Direct Current) power from batteries into AC (Alternating Current) for use in electrical systems (inverter function), and converting AC power from external sources (grid or generator) into DC for battery charging (charger function). Equipped with sophisticated control and monitoring algorithms, it regulates power flows based on demand, battery state-of-charge, and grid conditions.



Versatile Power scenarios to provide system flexibility: 5-in-1 Operating Modes

- 1. Inverter mode
- 2. Charger mode
- 3. Power Sharing
- 4. Power Support
- 5. Power Generation



Suitable for both Lead Acid and Lithium battery

Adjustable charging voltage and support GEL, FLOODED, AGM, LITHIUM batteries



Full Load Operation for the wide temperature range temperature

Full Load -20 °C ~ 40 °C, Power de-rating 60 W / °C, 41~60 °C

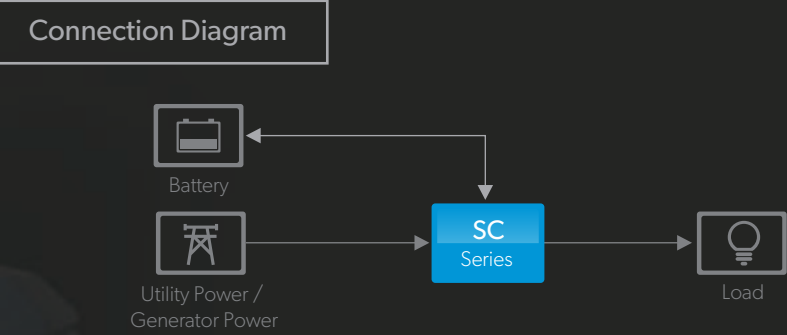
Suggested Accessory



CR-20C Remote Control



TS-01 Temperature Sensor



Specification

		SC-1200	SC-2000	SC-3000
AC Output	Continuous Output Power	1200 VA ± 3%	2000 VA ± 3%	3000 VA ± 3%
	Frequency	50/60 Hz +/- 0.3 Hz (User-selectable)		
Protection	Input Protection	Over / Under Voltage, Reverse Polarity (Internal Fuse) / Battery Temp. protection		
	AC Output Protection	Short-Circuit, Overload		
	Temperature protection	Shutdown		
AC Input	Input Frequency Range	50Hz:47 ~ 53 Hz / 60Hz:57 ~ 63 Hz		
	Efficiency (Max.)	>88%	>88%	>87%
DC source	Output Voltage	Battery Voltage		
	Output Current	20A Max		
DC Output	Battery Control	By 3-stage Battery Charging (Bulk / Absorption / Float)		
Signal and Control		Remote Control Panel / Remote Control Terminal/ Dry Contact Terminal / RS-232		
Working Temp.	Full Load	-20 °C ~ 50 °C	-20 °C ~ 40 °C	-20 °C ~ 40 °C
	Power de-rating	40 W per °C, 51~60 oC	60W per °C, 41~60 °C	40W per °C, 41~60 °C
Dimension		251 x 116 x 386mm	251 x 116 x 453mm	314 x 127.4 x 508.8 mm

		SC Series-112	SC Series-124	SC Series-212	SC Series-224
DC Input	Nominal Voltage	12 VDC	24 VDC	12 VDC	24 VDC
	Input Voltage Range	10.5~16.5 VDC±0.3V	21 ~ 33 VDC ±0.5V	10.5~16.5 VDC±0.3V	21 ~ 33 VDC ±0.5V
	Input Current (Max)	SC-1200 : 132A SC- 2000 : 260 A SC- 3000 : 390 A	SC-1200 : 66A SC- 2000 : 130 A SC- 3000 : 195 A	SC-1200 : 132A SC- 2000 : 260 A SC- 3000 : 390 A	SC-1200 : 66A SC- 2000 : 130 A SC- 3000 : 195 A
AC Output	Output Voltage	100 / 110 / 115 / 120VAC +/-3%		200 / 220 / 230 / 240VAC +/-3%	
	Max. Efficiency (Full Load)	89%		89%	90%
	INV. AC Output (Max.)	SC-1200 : 12A, SC-2000 : 20A, SC-3000 : 30A		SC-1200 : 6A, SC-2000 : 10A, SC-3000 : 15A	
	AC Output (Max.)	SC-1200 : 30A, SC-2000 : 30A, SC-3000 : 50A		SC-1200 : 22A, SC-2000 : 26A, SC-3000 : 30A	
Protection	AC Input Protection	30 Amp Circuit Breaker		16 Amp Circuit Breaker	
AC Input	Nominal Voltage	110 VAC, 50 / 60Hz (User-selectable)		220 VAC, 50 / 60Hz (User-selectable)	
	Input Voltage Range	90 ~ 132 VAC		180 ~ 264 VAC	
	Nominal Current	SC-1200 : 8.2A , SC-2000 : 16.5A SC-3000 : 24.5A (@110VAC)		SC-1200 : 3.9A , SC-2000 : 7.9A SC-3000 : 11.7A (@230VAC)	
	AC Input	30 A MAX		16 A MAX	
DC Output	Charging Current	SC-1200 12.5/25/37.5/50A SC-2000 25/50/75/100A SC-3000 37.5/75/112.5/150A	6.25/12.5/18.75/25A 2.5/25/37.5/50A 18.75/37.5/56.25/75	12.5/25/37.5/50A 25/50/75/100A 37.5/75/112.5/150A	6.25/12.5/18.75/25A 2.5/25/37.5/50A 18.75/37.5/56.25/75
	Max. Output Voltage	14.7 VDC		29.4 VDC	29.4 VDC
	Relay Specification	30 Amp / 250 VAC			
Safety and EMS	Safety Standards	UL458/Supplement SA/UL1741* (SC-3000 certified for UL458 only)		EN 62368-1	
	E-mark	---		Certified CISPR 25 ; ISO7637-2 (SC-1200/2000)	
	EMC Standards	Certified FCC Class A*		EN55032 Class A* , EN55035 Class A* , EN61000-3-2, 3-3 EN61000-4-2, 3, 4, 5, 6, 8, 11	

*Warning : SC series is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.



User's Manual

Low Frequency Pure Sine Wave Inverter / Charger

The SL Series inverter/charger line, powered by advanced electronics and microprocessor technology, delivers robust power inverter and charging performance for 12V input DC battery source. It differentiates from SC series in 2 points:

- 1. Split phase operation (120/240V AC) which doubles power capacity compared with single phase operation
- 2. Low frequency transformer provides unique and reliable power with less power electronic components compared with high frequency design counterparts



Versatile Power scenarios to provide system flexibility:
5-in-1 Operating Modes

- 1. Inverter mode
- 2. Charger mode
- 3. Power Sharing
- 4. Power Support
- 5. Power Generation



Splits Phase 1P3W for North America market:

12000W : 50A @ 120VAC (Hot 1)
50A @ 120VAC (Hot 2)



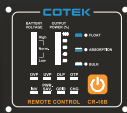
Full Load Operation for the wide temperature range

Full load -20 °C~40 °C, Power de-rating
41 °C~60 °C

Suggested Accessory



CR-20
Remote Control
(Display + Setting)



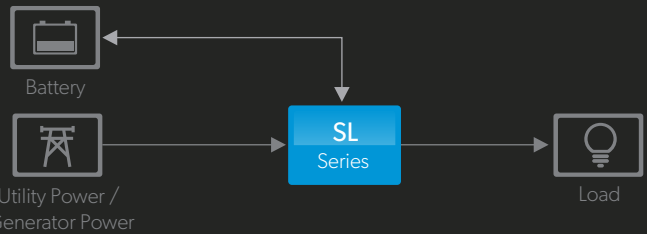
CR-16B
Remote Control
(Display +Power on/off)



TS-01
Temperature Sensor



Connection Diagram



		SL-2000-112	SL-3000-112
Power			
AC Output	Continuous Output Power	2000 VA ± 3%	3000 VA ± 3%
	Frequency	60 Hz ± 0.1Hz	
	Output Voltage	120 VAC ± 5% (≦ Continuous Power)	
	Max. Efficiency	>90%	
DC Input	Nominal Voltage	12VDC	
	Input Voltage Range	9~17 VDC±0.3V	
	AC Relay Transfer Time	<16ms	
AC Input	AC Input Voltage Range	80 ~ 140 VAC ± 5% (120VAC nominal)	
	AC Input Frequency Range	50 ~ 70 Hz	
	AC Nominal Current	15A	18A
	AC Input Current Range*	5 ~ 50A	
	Charger Efficiency (Peak)	85%	
	Power Factor Correction (PFC)	> 0.97 (50% Load)	
DC Output	Charging Current Range	0 ~ 100A	0 ~ 125A
	Four-Stage Charging*	Bulk, Absorption, Final, Equalize	
Protection	Battery Temperature protection	By a RJ-11 connector to battery temperature sensor	
Equalization	Max. output Voltage	16VDC	
	Max. output Current	10A	
Bypass Switch	Switch Specification (Max. each input)	AC 50Amp	

*Setting by remote control

Specification

Environment	
Working Temperature	Full Load : -20 °C ~ 40 °C (De-rating : 60W per °C, 41~60 °C) Storage : -30 °C~70 °C , 0~95% Non-condensing
Safety & EMC	
Safety Standards	UL458 & Supplement SA
EMC Standards	FCC Class B
Other	
Battery Type	Lead Acid / Li-ion / Gel / AGM
Control & Signal	Remote Control / LED / Dry Contact Terminal by relay
Dimension (WxHxD)	321 x 203 x 349mm / 12.64 x 7.99 x1 3.74 inch
Net Weight	SL-2000 : 17.6 Kg (38.71 Lbs) SL-3000 : 22.6 Kg (49.82 Lbs)



User's Manual

Parallelable Pure Sine Wave Inverter with AC Bypass Function

SD inverter offer robust features including parallel function for increased capacity, N+1 redundancy for continuous power supply, bypass switch (ATS or STS) for seamless switching to alternate sources, and scalable power to meet growing demands. These capabilities ensure versatile, reliable, and adaptable power solutions for diverse applications. Suitable for renewable energy system, industrial application and applications where power output expansion is required.



Parallel function

scalability to increase power output on demand



1Φ3W/3Φ4W Power Systems

Suitable for commercial & industrial applications

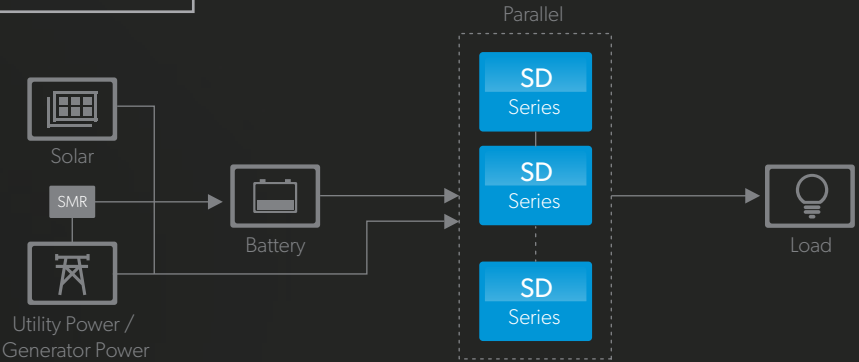


Static Transfer Switches (STS)

Provide faster transition between DC input source and AC input source and reduce device shut-down risk compared with traditional ATS (optional)



Connection Diagram



Specification

	SD1500	SD2500	SD3500
Output			
Rated Power	1500 VA	2500 VA	3500 VA
Function & Environment			
Input Protection	Reverse Polarity (Fuse) / Under Voltage / Over Voltage / AC Over Current (Breaker)		
Output Protection	Short Circuit / Overload / Over Temperature / Over Voltage		
Working Temp.	-20°C ~ 40°C, Power De-rating 40°C ~ 60°C		
Storage Temp	-40°C ~ 70°C, Max. 90%, RH non-condensing		
Control & Signal	LED, Remote Control (Optional), RS-232, SNMP (Optional)		
Dimension (WxHxD)	283x128x351 mm 11.14x5.04x13.82 inch	283x128x436 mm 11.14x5.04x17.17 inch	283x128x496 mm 11.14x5.04x19.53 inch
Weight	5.5kg	8kg	10kg

	SD Series - 112	SD Series - 124	SD Series - 148	SD Series - 212	SD Series - 224	SD Series - 248
Output						
AC Voltage	100 / 110 / 115 / 120 VAC, 50/60 Hz ± 1%			200 / 220 / 230 / 240 VAC, 50/60 Hz ± 1%		
DC Input						
DC Voltage	12VDC	24VDC	48VDC	12VDC	24VDC	48VDC
Voltage Range	10~16VDC	20~32VDC	40~64VDC	10~16VDC	20~32VDC	40~64VDC
AC Input						
AC Range	100 / 110 / 115 / 120VAC ± 25%, recover ± 12.5%			200 / 220 / 230 / 240VAC ± 25%, recover ± 12.5%		
Frequency Selectable	50 / 60 Hz					
Protection						
Efficiency (Max.)	90%	90%	91%	90%	91%	91%
Safety & EMC						
Safety Standards	UL 458 (UL only for hard wire)		----		EN 62368-1	
EMC Standards	FCC class B			EN 55014-1* ; EN 55014-2* EN 61000-3-2, -3-3 EN 61000-6-1, -6-2, -6-3, -6-4 (SD3500) , EN 61204-3 (SD3500) SD1500 : Certified EN55032, EN55035		
E-mark	----			Certified CISPR 25; ISO 7637-2		

*EN55014-1, EN55014-2 Class B : Output cable less than 2 meters.

Suggested Accessory



CR-10

Remote Control
(Display + Setting)



CR-8

Remote Control
(Power on/off)



CR-6

Remote Control
(Display +Power on/off)



User's Manual

Pure Sine Wave Inverter

The unit is a highly reliable DC-AC inverter system, designed with advanced power electronic and microprocessor technology. It offers high efficiency, precise power output, and comprehensive protection mechanisms, ensuring safe and optimal performance for various applications.



Wide input voltage range

Ensure operation under wide battery DC voltage range: 10.5 ~ 16.5V @ 12VDC, 21~33V @24VDC



Input & Output fully isolation

Prevent from electrical shock



Output voltage and frequency selectable

Applicable range: 100~120V AC @ 60 Hz or 200~240V AC @ 50Hz

Suggested Accessory



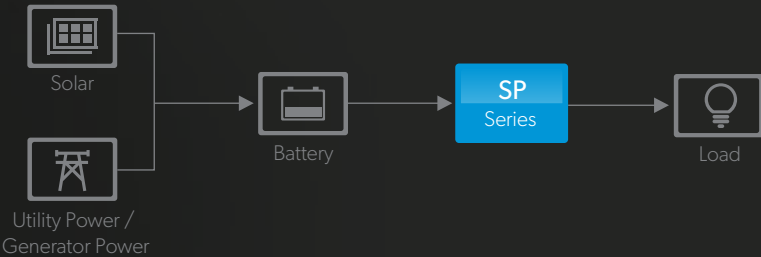
CR-16A
Remote Control
(Display +Power on/off)



CR-8
Remote Control
(Power on/off)



Connection Diagram



Specification

	SP - 700	SP - 1000	SP - 1500	SP - 2000	SP - 3000	SP - 4000
Output						
Rated Power	700 VA	1000 VA	1500 VA	2000 VA	3000 VA	4000 VA
Function & Environment						
Protection	Output Overload / Output Short / Under Voltage / Over Voltage / Over Temperature / DC input Reverse Polarity					
Working Temp.	-20°C ~ 40°C (De-rating : 40W per °C, 41 ~ 70 °C)					
Storage Temp	-30°C ~ 70°C, Max. 90%, RH non-condensing					
Control & Signal	LED , Remote Control (Optional), RS-232, 6-port green terminal					
Dimension (WxHxD)	200x83x330mm	200x83x372mm	248x83x421mm	248x83x443mm	255x158x442mm	255x158x462mm
inch	7.78x3.27x12.99	7.87x3.27x14.65	9.67x3.27x16.57	9.67x3.27x17.44	10.04x6.22x17.40	10.04x6.22x18.19
Weight	2.6 kg	3.26 kg	4.14 kg	5.24 kg	8.2 kg	10 kg

	SP Series - 112	SP Series - 124	SP Series - 148	SP Series - 212	SP Series - 224	SP Series - 248
Output						
AC Voltage	100 / 110 / 115 / 120 VAC, 50/60 Hz ± 5%			200 / 220 / 230 / 240 VAC, 50/60 Hz ± 5%		
Output Waveform	Pure Sine Wave (THD<5% @ Normal Load)			Pure Sine Wave (THD<3% @ Normal Load)		
Input						
DC Voltage	12VDC	24VDC	48VDC	12VDC	24VDC	48VDC
Voltage Range	10.5~16.5VDC	21~33VDC	42~66VDC	10.5~16.5VDC	21~33VDC	42~66VDC
Power Saving Mode	<0.1A@12VDC	<0.06A@24VDC	<0.05A@48VDC	<0.1A@12VDC	<0.06A@24VDC	<0.05A@48VDC
Protection						
Efficiency (Max.)	92%	93%	94%	94%	94%	95%
Safety & EMC						
Safety Standards	UL 458 (UL only for GFCI & hard wire)		----	EN 62368-1		
EMC Standards	FCC class A : SP-2000, SP-3000, SP-4000 FCC class B : SP-700, SP-1000, SP-1500			EN 55032 class A : SP-2000, SP-3000, SP-4000 class B : SP-700, SP-1000, SP-1500 ; EN 55035 EN 61000-3-2, -3-3 EN 61000-4-2, 3, 4, 5, 6, 8, 11		
E-mark	----			CISPR 25; ISO 7637-2		

*Warning : SP-2000/3000/4000 is a class A product.
In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.



User's Manual

Intelligent Battery Charger

The Intelligent Battery Charger with Power Mode offers a user-programmable charging curve. This advanced feature ensures optimal charging conditions tailored to each battery's specific requirements, enhancing overall performance and longevity.



User selectable charging voltage

provides various default setting to fit different types of batteries



Power mode

provides constant voltage power output for specific loads



Temperature Compensation

adjust charging voltage according to temperature sensor for optimal charging condition

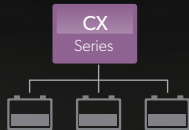
Suggested Accessory



CT-20L
Charger Controller



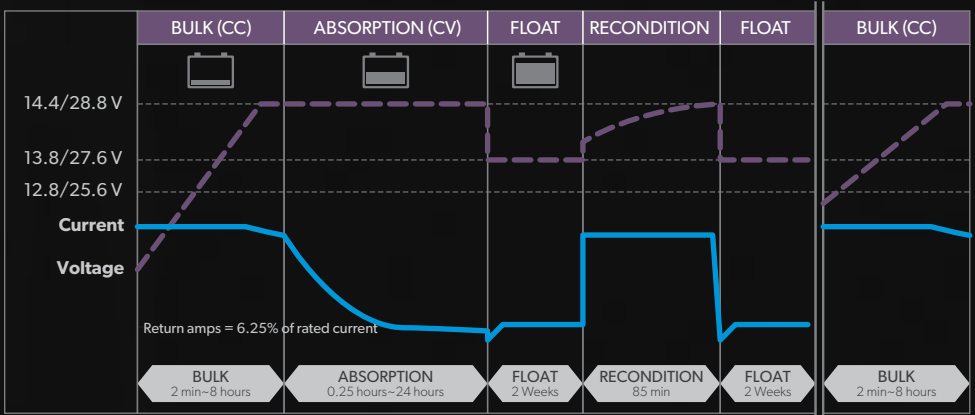
TS-01
Temperature Sensor



Max 3 batteries charging at the same time and auto Recondition to prevent any battery fatigue symptoms such as sulphation



Three-stage Charging Curve



User's Manual

Specification

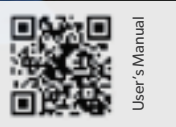
Output	CX1215	CX1225	CX1235	CX1250	CX1280
Main Rated Current	15A	25A	35A	50A	80A
Battery Type	Lead Acid / Li-ion / Gel / AGM				
Battery Charging Mode	3 stage charging capability				
Input					
Efficiency (Typ.) at 230VAC	87%				
Voltage Range	90~264VAC				
Frequency Range	47~63 Hz				
Function & Environment					
Protection	Short Circuit / Over Voltage / Over Temperature				
Power Mode	Supply 13.2 V current limit output voltage				
Working Temp.	-20°C ~ 50°C (refer to output load de-rating curve)				
Storage Temp., Humidity	-40°C ~ 85°C, 20 ~ 90% RH				
Dimension (WxHxD)	183x72x243 mm	183x72x243 mm	183x72x263 mm	213x77x272 mm	213x77x312 mm
Weight	1.6kg	1.7kg	1.9kg	3.1kg	4.0kg

Output	CX2415	CX2425	CX2440
Main Rated Current	12.5A	25A	40A
Battery Type	Lead Acid / Li-ion / Gel / AGM		
Battery Charging Mode	3 stage charging capability		
Input			
Efficiency (Typ.) at 230VAC	87%		
Voltage Range	90~264VAC		
Frequency Range	47~63 Hz		
Function & Environment			
Protection	Short Circuit / Over Voltage / Over Temperature		
Power Mode	Supply 26.4 V current limit output voltage		
Working Temp.	-20°C ~ 50°C (refer to output load de-rating curve)		
Storage Temp., Humidity	-40°C ~ 75°C, 20 ~ 90% RH		
Dimension (WxHxD)	183x72x243 mm	213x77x272 mm	213x77x312 mm
Weight	1.6kg	2.9kg	3.9kg

Safety & EMC	
Safety Standards	UL 458 (UL only for CX1235, CX1250, CX1280, CX2425, CX2440), EN 60335-1, EN 60335-2-29
EMC Standards	Certified EN 55014-1; EN 61000-3-2, -3-3 ; EN 61000-6-3 ; IEC 61000-4-2, 3, 4, 5, 6, 8, 11; EN 61000-6-1; EN 55014-2

Pure Sine Wave Inverter

- Output voltage and frequency selectable
- Wide input voltage range (10~16V)
- Remote Control Green Terminal
- Power saving mode selectable
- Input & output fully isolation



Specification

	SE200	SE400
Output		
Rated Power	200 VA	400 VA
Frequency	50 / 60 Hz ± 0.5% (Dip Switch Selectable)	
Protection		
Protection	Overload, Short circuit, DC over / Under voltage, Over temperature, DC Input Reverse Polarity	
Environment		
Working Temp.	-20°C ~ 60°C, refer to the power de-rating curve	
Storage Temp.	-30°C ~ 70°C, 10 ~ 95 % RH non-condensing	
Other		
Dimension (WxHxD)	150x68x187 mm / 5.91x2.68x7.36 inch	
Packing	1.6 kg	1.22 kg

	SE Series - 112	SE Series - 124	SE Series - 148 (SE400)	SE Series - 212	SE Series - 224	SE Series - 248 (SE400)
Output						
AC Voltage	100 / 110 / 115 / 120 VAC ± 5%			200 / 220 / 230 / 240 VAC ± 5%		
Input						
DC Voltage	12VDC	24VDC	48VDC	12VDC	24VDC	48VDC
Voltage Range						
	SE200	10.0~16.0VDC	20.0~32.0VDC	----	10.0~16.0VDC	20.0~32.0VDC
	SE400	10.5~16.0VDC	21.0~32.0VDC	42.0~64.0VDC	10.5~16.0VDC	21.0~32.0VDC
Efficiency (Max.)	89%	91%	90%	91%	93%	91%
Safety & EMC						
Safety Standards	UL 458 (only for SE400 GFCI)		----	EN 62368-1		
EMC Standards	FCC class B			EN 55032 class B ; EN 55035		
				EN 61000-3-2, -3-3 IEC 61000-4-2, 3, 4, 5, 6, 8, 11		
E-mark	----			Certified CISPR 25; ISO 7637-2		

Packing Information

SL Series	DC Input	AC Input	AC Output	Connection Type	PCS/CTN	N.W./CTN (KGS)	G.W./CTN (KGS)	CBM /CTN	PCS /PLT	CARTONS/PLT
SL - 2000	12V	80-140V	120V	HW	1	18.5	21	0.06	30	30
SL - 3000	12V	80-140V	120V		1	22.6	25	0.06	30	30
SC Series										
SC - 1200	12V, 24V	90-132V, 180-264V	100-120V, 200-240V	HW	4	18.2	22.2	0.11	64	16
SC - 2000	12V, 24V	90-132V, 180-264V	100-120V, 200-240V		3	18	21.54	0.09	60	20
SPT Series										
SPT - 1200	12V, 24V	90-132V	100-120V, 200-240V	HW	4	14	17.5		80	20
SPT - 2000	12V, 24V	90-132V	100-120V, 200-240V		3	13.5	18.5		60	20
SPT - 3000	12V, 24V	90-132V	100-120V, 200-240V		2	13	16.5		48	24
SD Series										
SD - 1500	12V, 24V, 48V	100-120V, 200-240V	100-120V, 200-240V	GFCI, NEMA / UK, AU, SCHUKO, HW, Univ.	2	11	12.4	0.07	48	24
SD - 2500	12V, 24V, 48V	100-120V, 200-240V	100-120V, 200-240V		2	18	20	0.07	42	21
SD - 3500	12V, 24V, 48V	100-120V, 200-240V	100-120V, 200-240V		2	18	20	0.08	30	15
SP Series										
SP - 700	12V, 24V, 48V		100-120V, 200-240V	GFCI, NEMA / UK, AU, France SCHUKO, Univ.	6	15.6	21.6	0.11	108	18
SP - 1000	12V, 24V, 48V		100-120V, 200-240V		4	13	17	0.08	80	20
SP - 1500	12V, 24V, 48V		100-120V, 200-240V		4	16.56	20.56	0.10	80	20
SP - 2000	12V, 24V, 48V		100-120V, 200-240V		4	20.96	24.96	0.10	80	20
SP - 3000	12V, 24V, 48V		100-120V, 200-240V	HW / UK, AU, SCHUKO, France, Univ.	2	16.4	18.4	0.09	36	18
SP - 4000	24V, 48V		100-120V, 200-240V	HW	2	20	22	0.09	36	18
SE Series										
SE - 200	12V, 24V		100-120V, 200-240V	GFCI, NEMA / SCHUKO, Univ., UK, AU, France	6	15.6	21.6	0.05	216	36
SE - 400	12V, 24V, 48V		100-120V, 200-240V		6	9	12	0.04	216	36
CX Series	DC Input	AC Input	DC Output Voltage, Current	Connection Type	PCS/CTN	N.W./CTN (KGS)	G.W./CTN (KGS)	CBM /CTN	PCS /PLT	CARTONS/PLT
CX - 1215		90-264V	12V, 15A	NEMA, SCHUKO, UK, AU	6	10.8	16.8	0.07	108	18
CX - 1225		90-264V	12V, 25A		6	10.8	16.8	0.07	108	18
CX - 1235		90-264V	12V, 35A		6	12.6	18.6	0.07	108	18
CX - 1250		90-264V	12V, 50A		6	19.2	25.2	0.07	108	18
CX - 1280		90-264V	12V, 80A		6	19.2	25.2	0.07	90	15
CX - 2415		90-264V	24V, 12.5A		6	10.8	16.8	0.07	108	18
CX - 2425		90-264V	24V, 25A		6	10.8	16.8	0.07	108	18
CX - 2440		90-264V	24V, 40A		6	19.2	25.2	0.07	90	15
BL Series	DC Input	AC Input	DC Output Voltage, Current	Connection Type	PCS/CTN	N.W./CTN (KGS)	G.W./CTN (KGS)	CBM /CTN	PCS /PLT	CARTONS/PLT
BL - 100			12.8V, 100A		1	10.8	12.8		120	120

*The above information is for reference only, subject to change without notice

Socket Type



North America (GFCI)



North America (NEMA 5-15R)



North America (NEMA 5-20R)



Continental European (SCHUKO)



Australia / New Zealand



United Kingdom



Universal



France Connector



Hard Wire