

CX Series Quick Product Introduction

Intelligent Battery Charger with Power Mode



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 CX Charger.



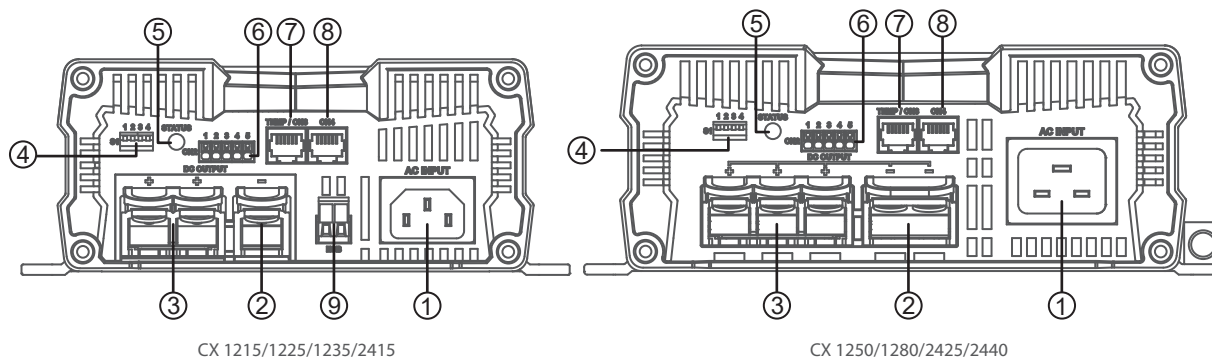
Scan QR Code to view
the User Manual

	CX12	CX24
Output		
Battery Type	Lead Acid / Li-ion / Gel / AGM	
Standard Boost Charge Voltage	14.4 V / 14.7 V (select by switch)	28.8 V / 29.4 V (select by switch)
Standard Float Charge Voltage	13.8 V / 13.5 V (select by switch)	27.6 V / 27 V (select by switch)
Battery Charging Mode	3 stage charging capability	
Input		
Voltage Range	90~264VAC	
Power Factor (Typ.)	PF > 0.92 at full load	
Frequency Range	47~63 Hz	
Leakage Current	For earth < 1mA / 240VAC	
Electrical		
Operating Temp. Range	-20°C ~ 50°C (refer to output load de-rating curve)	
Operating Humidity Range	20~90% RH non-condensing	
Safety Standards	UL 458 (UL only for CX1235, CX1250, CX1280, CX2425, CX2440), EN 60335-1, EN 60335-2-29	
Withstand Voltage	I/P-O/P: 4242VDC, I/P-FG: 1768VDC, O/P-FG: 707VDC	
Isolation Resistance	I/P-O/P: 100M Ohms / 500VDC	
EMC Standards	Certified EN 61204-3; 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	

Output	CX1215	CX1225	CX1235	CX1250	CX1280
Main Rated Current	15A	25A	35A	50A	80A
Current Range	0~15A	0~25A	0~35A	0~50A	0~80A
Main Output	1	2	2	3	3
Single Output Current Limit	15A	25A	35A	40A	40A
Input					
Efficiency (Typ.) at 230VAC	87%	87%	87%	87%	87%
AC Current (Typ.)	2.5A/100VAC 1.07A/240VAC	4.1A/100VAC 1.8A/240VAC	6.2A/100VAC 2.8A/240VAC	8.24A/100VAC 3.6A/240VAC	13.3A/100VAC 5.4A/240VAC
Other					
Dimension (WxHxD)	183x72x243 mm	183x72x243 mm	183x72x263 mm	213x77x272 mm	213x77x312 mm
Weight	1.6kg	1.7kg	1.9kg	3.1kg	4.0kg

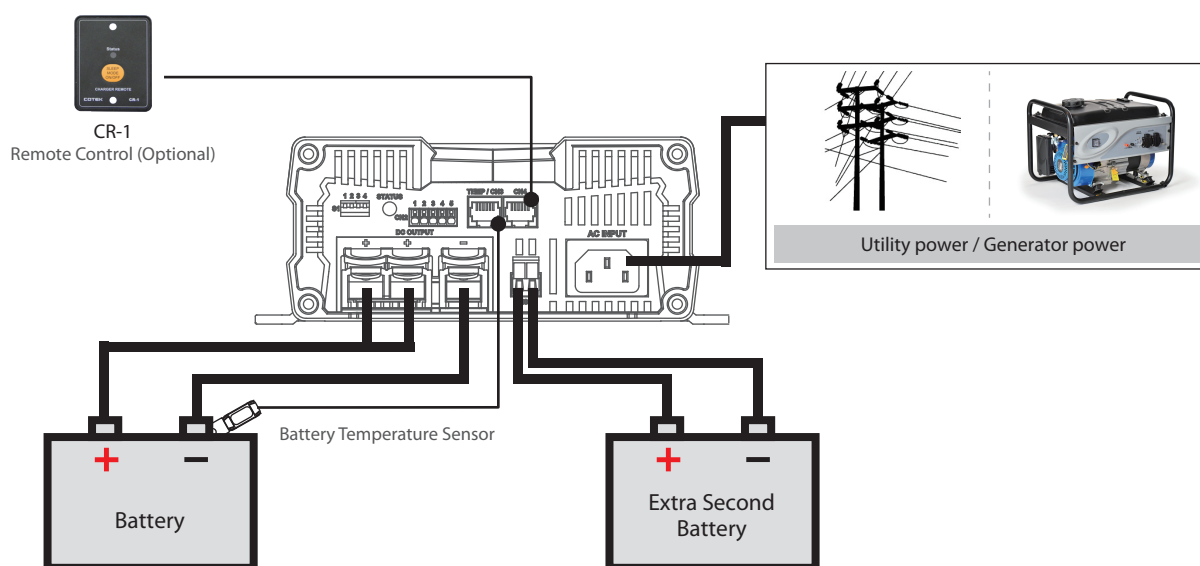
Output	CX2415	CX2425	CX2440
Main Rated Current	12.5A	25A	40A
Current Range	0~12.5A	0~25A	0~40A
Main Output	2	3	3
Single Output Current Limit	12.5A	25A	40A
Input			
Efficiency (Typ.) at 230VAC	90%	90%	90%
AC Current (Typ.)	4.2A / 100VAC 1.7A / 240VAC	8.3A / 100VAC 3.6A / 240VAC	13.3A / 100VAC 5.4A / 240VAC
Other			
Dimension (WxHxD)	183x72x243 mm	213x77x272 mm	213x77x312 mm
Weight	1.6kg	2.9kg	3.9kg

Product Appearance



- | | | |
|------------------|---------------------|---|
| ① AC Inlet (IEC) | ④ Dip Switch 1 (S1) | ⑦ TEMP/CN3 |
| ② DC output - | ⑤ Status LED | ⑧ CN4 |
| ③ DC output + | ⑥ CN2 | ⑨ ESB connector
(only CX 1215/1225/1235) |

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.