MHM Marketing

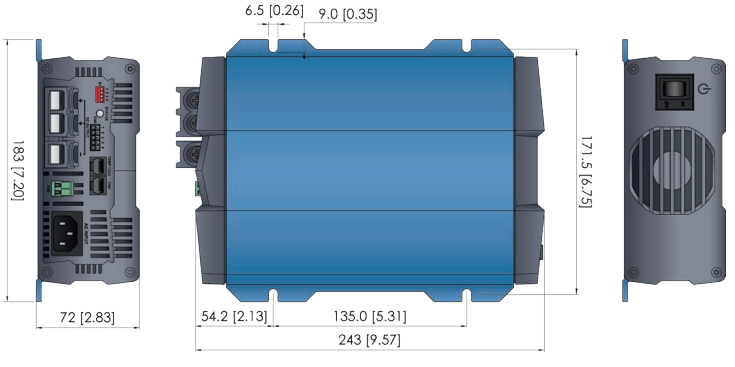
CX Serie

Advanced Battery Charger 15-80 A

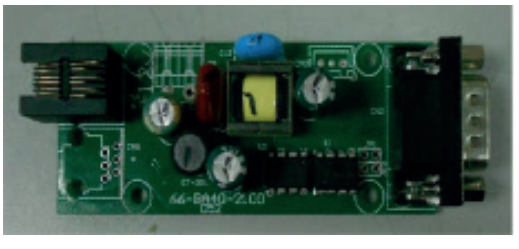
Cotek battery charger CX "Superlative functionality"
Latest technology from 15 to 80 A / 12/24 V - programmable - lead / gel / AGM / lithium

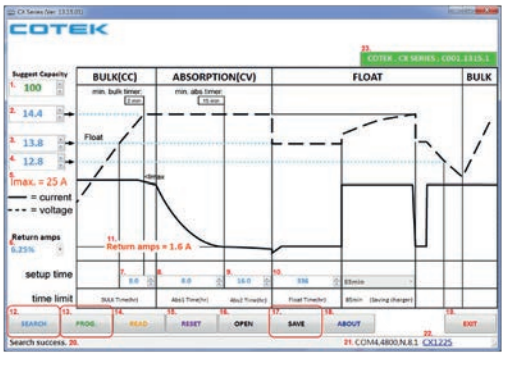
Features :

- Universal AC Input with active PFC
- Adjustable charging voltage & time setting possible for each charging stage
- Compatible with lead adcid, LiIon, Gel and AGM batteries
- RS232 Communication interface
- Voltage / temperature compensation
- 2-stage control of the fan speed
- Output power OK signal
- High efficiency and high reliability
- Built-in battery rescue function
- Integrated motor start battery (ESB) output function
- Short circuit protection / overvoltage / overtemperature / undervoltage protection
- Breakdown voltage 2G Vibration test



Change with board and software programming independently





ADVANCED BATTERY CHARGER

COTEK

CX Serie



Model		CX1215	CX1225	CX1235	CX1250	CX1280	CX2415	CX2425	CX2440
Output	Battery Type	Lead acid / Li-ion / gel / AGM							
	Power Charge Voltage	14.4V/ 14.7 V					28.8V/ 29.4 V		
	Preservation charge voltage	13.80V					27.60V		
	Main rated current	15A	25A	35A	50A	80A	12.5A	25A	40A
	Current range	0-15A	0-25A	0-35A	0-50A	0-80A	0-12.5A	0-25A	0-40A
	Main output								
	ESB output				-	-			
	ESB output/voltage/current	13.8V/ 2A			-	-			
	Battery charging mode	3-step-option							
	Single voltage current limiter	15A	25A	35A	40A	40A	12.5 A	25A	40A
Input	Voltage range	90-264Vac							
	Power factor (type)	PF>0.92 at full load							
	Frequency range	47-63Hz							
	Efficiency range								
	Efficiency (type) at 230Vac	2.5A/ 100Vac	4.1A/ 100VAC	6.2A/ 100Vac	8.24A/ 100Vac	13.3A/ 100Vac	4.2A/ 100Vac	8.3A/ 100VAC	13.3A/ 100Vac
	AC current (type) / 240 VAC	1.07/	1.8A/	2.8A/	3.6A/	5.4A/	1.7/	3.6A/	5.4A/
	Fault current	For earth < 1mA/ 240Vac							
Safety	short circuit	Current is reduced <1A will be continued for 30sec. Continued, fan continues for 30 seconds and then turns off							
	Overload	17.5V ± 1%					35V ± 1%		
		Protection: Turns output off (restoration after reset AC Power on)							
	Overtemperature	100 ± 5°C Detection with heat sink							
		Protection: drive down (restoration after heat sinking at 50°C)							
	Battery overtemperature	52 ± 5°C (Optional – Temperature sensor)							
Function	Alarm Signal	NC./ NO. Relay contact output							
	Communication	RS232 Communication protocol							
	Temperature compensation	-10mV / 0.5 ° C provided by optional device - temperature sensor					-20mV/ 0.5°C provided by optional device - temperature sensor		
	Charging mode Sleep mode	With remote control and DIP switch (low noise mode)							
	Remote control	3-color LED and buttons for ON / OFF and sleep mode control							
Environ-ment	Working Temperature	-20°C - 50°C (refers to output load derating curve)							
	Working moisture	20 – 90% RH non-condensing							
	Storage temperature, humidity	-40°C - +85°C, 20-90% RH							
	Temp. Coefficient	± 0.03% (0°-50°C)							
	Vibration	10-500Hz, 2G 10 min. / 1 clock period for 60 min. each along X, Y, Z axes							
Saftey & EMC	Safety standards	certified EN 60335-1, EN 60335-2-29							
	Voltage resistance	I/ P-O/P: 4242 VDC, I/P-FG: 1768 VDC, O/P-FG: 700VDC							
	Insulation resistance	I/ P-O/P: 100M Ohms/ 500VDC							
	EMI heat conduction & radiation	EN55022							
	Harmonic currents	EN61000-3-2; EN 61000-3-3							
	EMS Immunity	EN 61000-4-2,3,4,5,6,8,11; ENV 50204							
Others	Dimensions (WxHxD mm)	179x63x238	179x63x238	179x63x238	208.5x75x 283	208x75x303	179x63x238	208.5x75x 283	208.5x75x 303
	Packing/Weight	1.6 kg	1.7 kg	2.9 kg	3.1 kg	4.0 kg	1.6 kg	2.9 kg	3.9 kg

Note:	
	1. All parameters not specifically mentioned are measured with 230 VAC input, nominal load and 25 ° ambient temperature. *2. The charger is a component that must be installed in a completed system. Finally, the system must be checked again in order to continue to comply with EMC directives.* *3. Before charging, make sure that charger and the battery specifications are compatible.* *4. When sleep mode is activated, the charging current refers opposite to the heat sink temperature derating curve.*