

DESCRIPTION

Fully compatible with XING Mobility's **Immersion Cooled Modular Battery Pack System**, the On-Board Charger is an integrated charging technology with pre-configured, fully-tested charge rates, charge voltage and cell balancing thresholds, and international-standard charging connections.

KEY FEATURES

- Wide operating temperature range of -35°C to + 85°C
- Internal temperature sensor
- IP67 Protection Level
- Fully-sealed



TECHNICAL SPECIFICATIONS

FEATURES	PARAMETER	TECHNICAL DATA
INPUT FEATURES	AC Input Range	AC 90 - 265 V
	AC Input Frequency	45 - 65 Hz
	Input Current	≤ 32 A
	AC Power Factor	≥0.99 Half Loading
	Load Efficiency	≥93% Full Loading
	Standby Consumption	≤10 W
MAIN OUTPUT FEATURES	Output Mode	CV/CC
	Output Voltage	6600 W @220 VAC ; 3300 W@110 VAC
	CV Accuracy	± 1%
	CC Accuracy	± 2%
	Ripple Voltage Coefficient	5%
	Output Mode	CV
LOW VOLTAGE OUTPUT FEATURES	Output Voltage	13.8 V / 27.6 V
	CV Accuracy	± 1%
	Nominal Current	5 A
	Max Current	5.5 A ± 0.5 A
	CC Accuracy	± 2%
	Ripple Voltage Coefficient	1%
CAN COMMUNICATION	CAN Communication	Optional
	Baud Rate	500 kbps
	Terminal Resistance	No
	Baud Rate	125 kbps. 250 kbps. 500 kbps
	Terminal Resistance	No

OPERATING CONDITIONS

PARAMETER	OPERATING CONDITIONS
Operating Temperature	-35°C to 85°C
Storage Temperature	-55°C to 100°C
Mechanical Dimensions	330 x 247 x 167 mm
Mechanical Shock and Vibration Resistance Level	Conformance to 10 — 25 Hz Amplitude 1.2 mm, 25-500 Hz 30m/s², 8 hrs per direction
Environmental Enclosure	IP67
Net Weight	12.6 kg

PROTECTION SPECIFICATIONS

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Input Over-Voltage Protection	AC 270 ± 5 V
Input Under-Voltage Protection	AC 85 ± 5 V
Output Over-Voltage Protection	Stops the output when exceeds +1% of the maximum output voltage
Output Under-voltage Protection	Stops the output when below -5% of the minimum output voltage
Output Over-Current Protection	Stops the output when exceeds +1% of the maximum output current
Over-Temperature Protection	Powers down from 85°C and turns off at 90°C
Short-Circuit Protection	Stops output
Battery Reverse Connect Protection	Fuse burn-out
Ground Protection	≤100 mΩ
CAN Communication Protection	Automatically stops the output when CAN communication fails
Power-Off Protection	Yes

TERMINAL NAME	TERMINAL DEFINITION	MALE CONNECTOR	FEMALE CONNECTOR	VERSION
1 Charger AC Input	A-Null line, Input C-Fire Line,	XXC106-EV-P3Z	XXC103-EV-S4TA	XINXI
2 Signal Control	A-CANL, B-CANH, C-CANGND, D-12V+, E-12V-, F-Enable	XXC103-EV-P6ZC	XXC103-EV-S4TB XXC103-EV-S6TC	XINXI
3 Charger DC Output	A-Positive B-Negative	XXC105-EV-P2ZB		XINXI

