RUiXU
/rʊk suː/

CHARGER 100

48V 100A Intelligent Lithium Battery Charger

DEALER PORTAL



Designed for flexible 48V lithium charging

RUiXU CHARGER100 delivers up to 100A adjustable charging current and 6kW output for 48V lithium battery systems. With 90–264 VAC input, CAN BMS communication, and automatic generator control, it provides intelligent charging for residential energy storage, backup power, and off-grid applications.

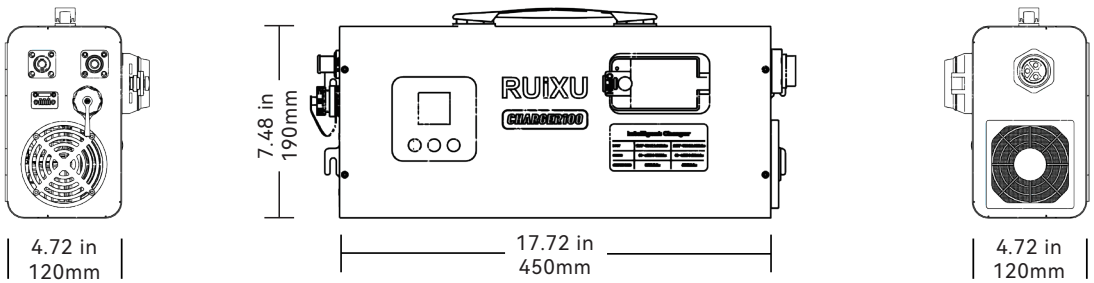
100 A	6 kW	90-264 VAC	CAN
Max. Charge Current	Max. Output @ 240 VAC	Wide AC Input	BMS Communication

100 — **Up to 6kW Output**
Adjustable charging current up to 100 A

GEN — **Automatic Generator Start/Stop**
Dry-contact generator control

CAN — **Smart CAN BMS Communication**
Intelligent battery communication via CAN

LCD — **LCD Monitoring**
Real-time operating status and settings



Tel: +86 150 1993 4220
Web: www.ruixubattery.com
Email:sales@ruixubattery.com

RUiXU

TECHNICAL SPECIFICATIONS

CHARGER100 | 48V Lithium Battery Charger

48 VDC	2-100 A	40-60 VDC	94%
Nominal Battery	Charge Current*	Charge Voltage	Max. Efficiency

AC INPUT	
AC Input Voltage Range	90-264 VAC
AC Frequency	50-60 Hz
Max. Input Current	26 A @ 240 VAC; 28 A @ 120 VAC
Idle Consumption	-10 W

CHARGER OUTPUT	
Battery Voltage	48 VDC nominal
Charge Current (adjustable)	2-100 A @ 240 VAC; 2-45 A @ 120 VAC; 2-50 A @ 208 VAC
Charge Voltage (adjustable)	40-60 VDC (default 56.5 VDC)
Max. Output	6000 W @ 240 VAC; 3000 W @ 120 VAC
Max. Efficiency	94% @ 240 VAC; 92% @ 120 VAC

COMMUNICATION	
Generator Control	Dry Contact (NO, NC, C)
BMS Communication	CAN (RJ45 Interface)

ENVIRONMENTAL	
Operating Temperature Range	14°F to 131°F (-10°C to 55°C)
Storage Temperature Range	5°F to 140°F (-15°C to 60°C)
Humidity	5%-95% relative humidity (non-condensing)
Ingress Protection	IP20
Operating Altitude	0-4921 ft. (0-1500 m)

GENERAL	
Dimensions H x W x D	7.48 x 17.72 x 4.72 in. (190 x 450 x 120 mm)
Net Weight	13.2 lbs. (6.0 kg)
Warranty	3 years (only when used indoors)

* Charge current depends on AC input voltage, as listed above. Specifications reproduced from the supplied RUiXU source sheet.

Tel: +86 150 1993 4220 Web: www.ruixubattery.com Email:sales@ruixubattery.com