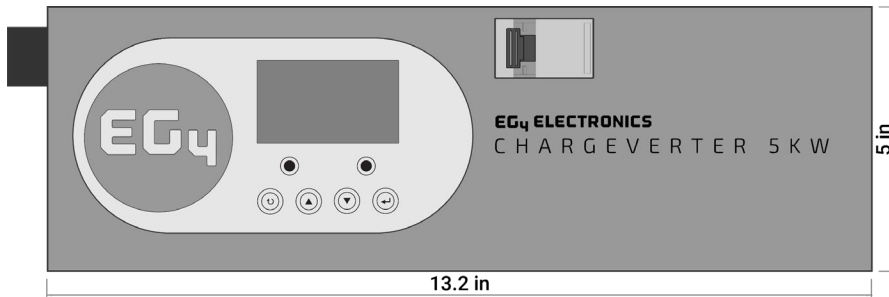# CHARGEVERTER-GC
5KW AC CHARGER

13.2 in / 5 in

The EG4 Chargeverter-GC is a powerful 48V battery charger capable of rapidly charging at 100 amps, or more than 5000 watts, significantly faster than traditional chargers.

48V/100A BATTERY CHARGER	RS485 COMMUNICATION PORT	AUTO GENERATOR START

120VAC/208VAC/240VAC INPUT CAPABILITY

Optimized for 240VAC power supplies for maximum output. 120VAC or 208VAC input can be used with an optional adapter plug.

RS485 COMMUNICATIONS PORT

An RS485 port on the side of the Chargeverter-GC allows the user to establish closed-loop communication between the charger and battery. This facilitates the exchange of SOC information for user-defined charging thresholds. Without closed-loop communication (SOC information), the charger uses battery voltage for user-defined charging thresholds.

BUILT-IN BREAKER

The unit has a built-in breaker to quickly shut off the charger output for added safety and protection.

OPTIMIZED FOR GENERATOR USE

Plug the Chargeverter-GC directly into a generator to charge batteries without concern for generator power quality issues, commonly referred to as "dirty power." Connect the automatic generator start circuit to the Chargeverter-GC dry contacts to allow the generator to charge the battery bank at preset start/stop voltages or SOC thresholds.

SCAN FOR UPDATED DOCUMENTS

SPECIFICATION SHEET

CHARGER OUTPUT SPECIFICATIONS	
Battery Voltage	48VDC nominal
Charge Current (adjustable)	0-100A @240VAC, 0-45A @120VAC, 0-50A @208VAC
Charge Voltage (adjustable)	43-57VDC (default 54VDC)
Max. Output	5120W @240VAC, 3050W @120VAC
Max. Efficiency	94% @240VAC, 92% @120VAC
AC INPUT SPECIFICATIONS	
AC Input Voltage Range	90-264VAC
AC Frequency	50-60Hz
Max. Input Current	26A @240VAC, 28A @120VAC
Idle Consumption	~10W
ENVIRONMENTAL SPECIFICATIONS	
Operating Temperature Range	14°F – 131°F (-10°C – 55°C)
Storage Temperature Range	5°F – 140°F (-15°C – 60°C)
Humidity	5% to 95% relative humidity (non-condensing)
Ingress Protection	IP21
Operating Altitude	0~4921 ft. (0~1500m)
DRY CONTACT SPECIFICATIONS	
Interface Connector	NO, NC, and C (RJ11 Jack)
GENERAL SPECIFICATIONS	
Communication Port	RS485 (RJ45 Jack)
Dimensions H x W x D	5" x 13.2" x 4.9" (127mm x 335mm x 124mm)
Net Weight	13 lbs. (5.9 kg)
Warranty	3 years (only when used indoors)