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.

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.
### 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)