CBC GROUP

CBC (AMERICA) Corp.

GEVC Boost Solar Charge Controller
Part # GEVC 12-36/48 3A
(3 Amps)

GEVC 12-36/48 3A

GANZ GSP Solar Panel

GEVC has DUAL function of DC-DC Booster and Solar Charge Controller

GEVC Controller + GANZ GSP 12 Volt Solar Panel is
The BEST SOLUTION for Connecting to a 36 Volt or 48 Volt System
of Electric Inboard Motors, Electric Outboard Motors and Golf Carts

Applications:

- Charge a higher voltage battery from a lower voltage solar panel (12 Volt)
- Used for electric inboard motors, trolling motors and golf carts which require 36V or 48V nominal charging system
- Used to charge a 36V battery at 4 amps max or a 48V battery at 3 amps max from a 12V, 10-165 watt nominal solar panel

Features:

- Low Cost
- High Performance
- Nominal Maximum Power Point Tracking
- Prevents Battery From Over-charging
- NEMA 4 Enclosure (Weatherproof)
- Output Fuse Pre-Connected
- Output Terminal Ring Pre-Connected
- 1 Year Manufacturers Warranty

Advantages:

- No series connection of solar panel required
- High input voltage risks negated
- Shading issues reduced
- Superior performance and efficiency (≥96%)

- GEVC 12-36/48 3A can be connected with 3 GANZ GSP-55 (55W) solar panels or 4 GANZ GSP-40 (40W) solar panels connected in parallel.
- Do not connect any more solar panels then above mentioned.

NY: 55 Mall Dr., Commack, NY 11725 800.422-6707
CA: 20521 Earl St., Torrance, CA 90503 800 888-0131
www.cbcamerica.com/ecoenergy

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Electrical Specifications

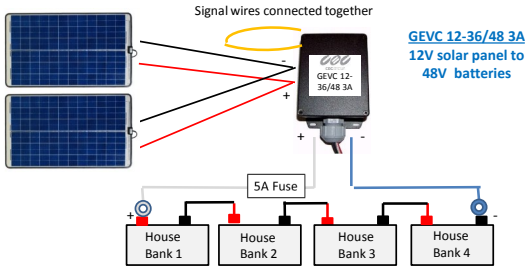
Input Voltage	12V Nominal Solar Panel	
Max Input Voltage	30 VDC	
Max Input Current	10 ADC	
Nominal Battery	36V System Orange signal wire not connected	48V System Orange signal wire connected
Output Voltage	42 VDC	56 VDC
Output Current	4 ADC	3 ADC
Quiescent Current	〈 0.1 ma	〈 0.1 ma

Mechanical Specifications

- Enclosure: NEMA 4 (Weatherproof)
- Dimensions: 4” X 3” X 2” nominal
- Weight: approx. 1.4 lbs
- Temperature Range: -40 to 50 deg C
  It is recommended, as with all electronics, the unit not be placed in direct sunshine
- Fusing: Inline output fuse 5A (part# ABC-5)
- Power Wire: #16 AWG, 3ft
- Input Wire: Red (+) 2 pairs to Solar Panel (+)
  Black (-) 2 pairs to Solar Panel (-)
  Note: Only two panels in parallel per each set of input wires
- Output Wire: White (+) to battery (+)
  Blue (-) to battery (-)
  Note: Must not reverse polarity
- Signal Wire: 2 X Orange #22 AWG,
  Disconnect when unit is to charge a 36V system
  Connect when unit is to charge a 48V system
- Humidity: 0-90% non-condensing

48V System for Electric Outboard Motor

GANZ GSP-55 (55W) X 2 panel
for Series Connection of 4 battery banks



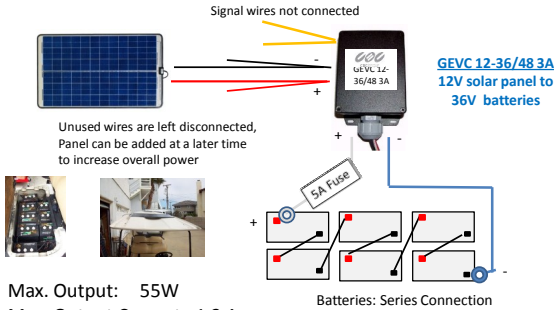
Max. Output: 110W
Max. Output Current: 1.8 Amps

Batteries: Series Connection
12V X 4 = 48V system

GEVC Controller 12

36V System for Golf Cart

GANZ GSP-55 (55W) X 1 panel
for Series Connection of 6V X 6 battery banks



Max. Output: 55W
Max. Output Current: 1.2 Amps

Batteries: Series Connection
6V X 8 = 48V system

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