

CBC (AMERICA) Corp.



GEVC 12-36/48 6A

GEVC Boost Solar Charge Controller Part # GEVC 12-36/48 6A

(6 Amps)



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 <u>36 Volt or 48 Volt System</u> 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 8 amps max or a 48V battery at 6 amps max from a 12V, 10-330 watt nominal solar panel

Advantages:

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

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
- GEVC 12-36/48 6A can be connected with 6 GANZ GSP-55 (55W) solar panels or 8 GANZ GSP-40 (40W) solar panels connected in parallel.
- Do not connect any more solar panels then above mentioned.





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Electrical Specifications

Input Voltage	12V Nominal Solar Panel	
Max Input Voltage	30 VDC	
Max Input Current	20 ADC	
Nominal Battery	36V System	48V System
	Orange signal wire not connected	Orange signal wire connected
Output Voltage	42 VDC	56 VDC
Output Current	8 ADC	6 ADC
Quiescent Current	< 0.1 ma	< 0.1 ma

Mechanical Specifications

- Enclosure: NEMA 4 (Weatherproof)
- Dimensions: 6" X 6" X 3" nominal
- Weight: approx. 2.2lbs
- 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 10A (part# ABC-10)
- Power Wire: #16 AWG, 3ft
- Input Wire: Red (+) 4 pairs to Solar Panel (+) Black (-) 4 pairs to Solar Panel (-)
- 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

<u>48V</u> System for Electric Inboard drive system – (1)



<u>48V</u> System for Electric Inboard drive system – (2)





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