

Green Power Heavy Duty Battery Charger with IP 65 Protection (GP-HFC 10-10)**Technical Specifications:****❖ Input:**

- AC Voltage : 160V ~ 265V 1-phase supply
- Frequency : 50 HZ +- 10%

❖ Output:

- DC Voltage : As per Selection
- Charging Current : 1-10 Amps. Manually Adjustable
- Output Voltage Ripple : <3% without battery
- Efficiency : >90 % (At full load)
- Charging System : Series, Series and Parallel, Parallel combination of batteries Connections.

❖ Protections & Indications:

- No/REV Battery : LED glows steadily. 1 min. wait till the battery connection.
- Temperature Trip : The Unit trips after cabinet temperature >90%, Mains U/V-O/V & OK/Terminate LED will blink.
- Charger ON/ Terminate : Indicates Charging is ON with current >1 Amp, Auto Cut-off, when output exceeds 165V for 1 hr and LED blinks.
- Output Short Circuit : Charger Shuts Down
- Charger Fault : Internal hardware problem, Charger Shuts down
- Charging Current : LED graph indication (1-10 Amps)
- Cooling : Natural Cooling
- Temperature : 0-55⁰ C
- Humidity : 0-95 % RH (non- Condensing)
- Enclosure Protection : IP 65
- Dimension : 370mm X 270mm X 213mm +- 3mm
- Weight : 15 Kgs +-5 %
- Colour : Bright Yellow/Grey



Installation Procedure:

- Step 1:** Connect the power Chord to the mains supply (16 Amps). **Step 2:** Connect the battery bank (12 to 120 V), with the right polarity. **Step 3:** Switch on the input switch. **Step 4:** Charging current can be adjusted according to the requirement by the Potentiometer.

Troubleshooting.

Symptoms	Problem	Remedy
Mains LED OFF	<ol style="list-style-type: none">1. Wiring Problem/Input switch OFF.2. Loose Connection/ No voltage at plug point.3. Input Fuse Blown	<ol style="list-style-type: none">1. Check wiring and ON/OFF switch.2. Check Input voltage and check all connection.3. Check AC Fuse
Mains U/V or O/V LED glowing	Mains voltage reduced to less than 170 Volt increased more than 260 Volts	Change the Mains voltage, if possible or wait for normal voltage range.
NO/ REV. battery Glowing	Wrong battery connection/ insufficient DC voltage	Check the battery bank voltage for >8 V. Also check for correct polarity
Output S/C LED glowing	O/P is short circuited	Check the output wiring for any possible short circuit. Switch Off the charger and Restart after few seconds.
Charger Fault LED glowing	Internal Over Current Trip	Switch Off the charger and restart after few seconds.
Charge ON/ Terminate LED & Mains U/V-O/V LED Glowing	Inside Temperature Increases >90 ⁰ C	Wait for cooling, It will start automatically when temperature decreases <70 ⁰ C

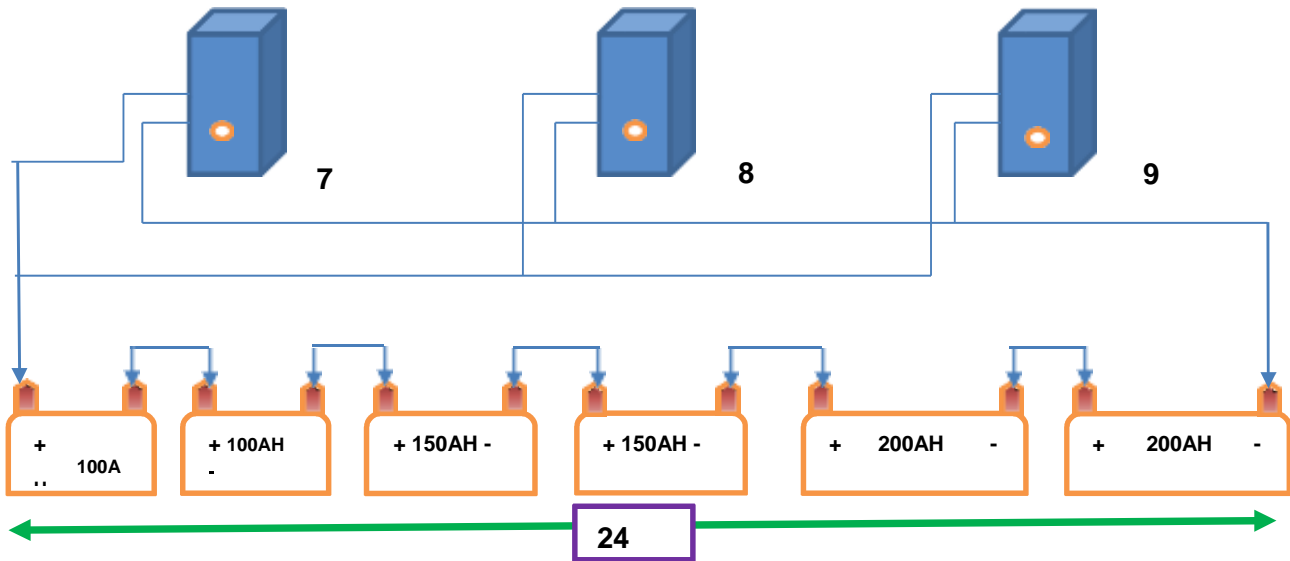
Do's And Don'ts:

1. Connect to the mains supply and connect the o/p wires to the battery and then switch on the input switch.
2. The battery bank shall be interconnected properly with the rated wires with thermal connection points should be cleaned.
3. Battery bank voltage shall be within 8 V to 165 V.

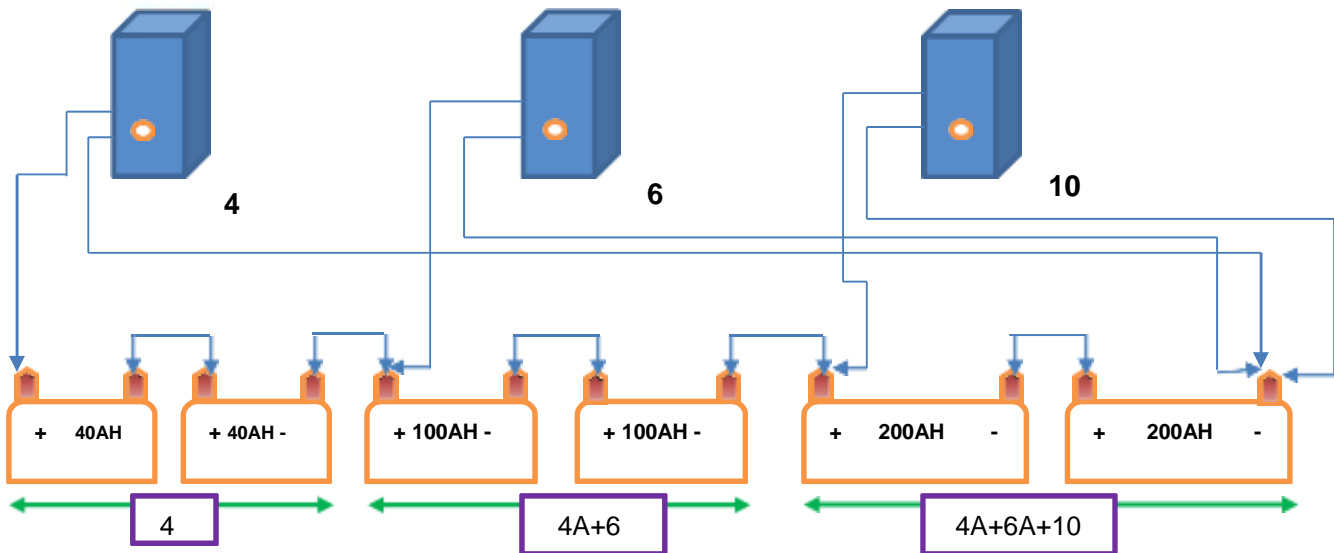


4. Do not install the charger near the flammable materials (such as: plywood, chemical, and Gasoline).
5. Place the charger on its buffer, keeping the handle in upward direction. DO NOT KEEP IT HORIZONTALLY.
6. The heatsink shall have a clear space of min. 15 cm from the wall for heat dissipation.

UNIQUE PARALLELING OF SIGNOFLEX



FULL / BANK PARALLELING



For Service Complaints:-

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