**How to install your  PowerGATE Board Module**

**Features & capabilities**: The GATE board routes DC power from several inputs to the I/O ports

* Arduino microprocessor controls auto-switchover to battery from city power in 20 MS
* Very low voltage drop from DC input to outputs using high-impedance power FETs
* **DC input** accepts 12-15 volt DC input from an onboard AC supply or external DC input
* **Solar input** is direct from the solar panel, any size, any rating, **no controller needed**
* **Rig1, Rig2 and Rig3** are the DC **outputs** at 40 amps total current draw at one time
* Battery is setup for Lithium-Iron Phosphate (LiFE) chemistry 20 AH, SLA/AGM is optional

 

BATTERY INPUT (DISCONNECT WHEN NOT IN USE)

* Set your power supply output for at least 14.5 volts to charge the battery properly
* Crimp on PowerPoles to combine low-current items together wherever possible
* Use at least 16 ga. wire for 10 amp VHF rigs, 12-14 ga. wire for 20-25 amp HF rigs
* Alarm (ALM) button is to stop sounding if the alert is on due to too low battery voltage
* LED flashes to alert on alarm conditions existing and when programming the processor
* Disconnect/ unplug or switch the battery OFF when system is not in use & not charging
* AC power can be left ON indefinitely to float charge the battery when not in use

**Primary components for a self-supporting Portable Case “Go Box” are:**

* Novexcomm PowerGATE board with stabilizer rear plate as shown above
* 12, 20 or 30 Amp Hour LiFE battery pack bolted to the tray
* 15, 20 or 30 amp Novexcomm DC power supply (if 230 VAC input use the 30 amp unit)
* For a 100 watt HF rig using 22-24 amps expect typical 7-8 hours from a 20 AH battery

**CONTACT  TODAY AT 310.534.4456 FOR A QUOTE**

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