

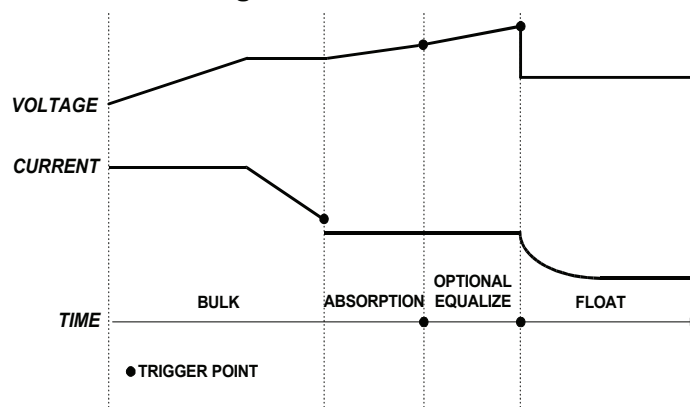
- **Inverter**

The inverter consists of a 3200 watt sine wave inverter which supplies power when AC loads are applied. The inverter develops up to 3200 watts of continuous power. Using TruSine® technology, a very high quality pure sine wave is produced. Total harmonic distortion (THD) is less than 2.0 percent. The inverter also has a 1 second surge rating of 6400 Watts.



- **Battery Charger with Automatic Power Management**

A high efficiency 80 amp multi-stage battery charger allows fully automatic charging of flooded and gel lead acid battery banks. The efficient 0.85PF, compared to typical 0.59PF on triac type chargers, allows full charger output from a 30 amp AC source. The system's Bulk - Absorption - Float charge cycle quickly charges and maintains the charge on the battery bank.



An Equalization charge cycle is provided for flooded lead acid battery maintenance. Automatic Power Management (APM) monitors the AC Input current and will reduce the battery charger output as needed to keep the AC input current below the preset APM Limit.

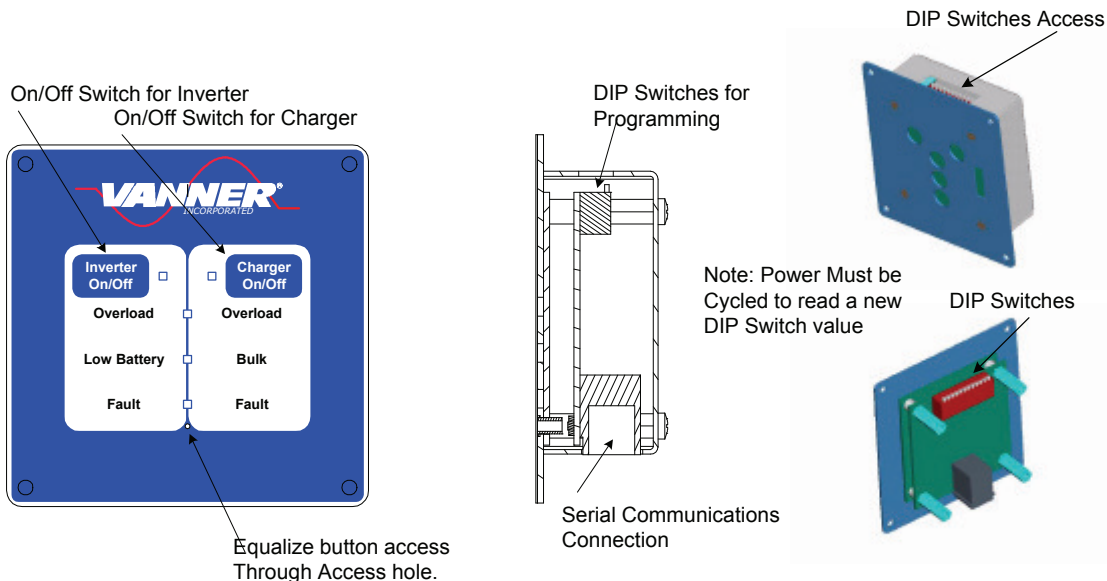
- **Gen Start/AutoThrottle**

The Gen Start/AutoThrottle feature provides a start/stop signal to control a generator used for recharging the batteries. The start/stop signal consists of a contact closure to start the generator based on battery voltage and stop the generator based on battery charging current.

- **Low Battery Contact**

This contact allows remote monitoring of the Inverter Battery status, closing a contact when the battery voltage falls below 11 volts. This will allow the user to take appropriate measures to avoid shutdown of the Inverter at 10.5VDC.

- Remote Power switch**
 This loop brings out the inverter power to enable the user to have a remote power switch for the inverter. This loop is in series with the front panel switch that turns off the power to the control circuitry.
- System Control**
 The ITC12-3200 contains a System ON/OFF Switch to turn the system power ON and OFF. This power switch also has a break out loop for a series switch that can be placed in a remote location from the unit. A control microprocessor provides a variety of protection interlocks, system fault detection/reporting/recovery, storage of system data parameters, and high speed data communications to the ITC Control/Display Unit. This Control/Display Unit also has individual on/off switches for the Inverter and Charger functions. System protection functions include overload, over temperature, and high and low battery voltage.
- ITC Control/Display Unit**
 The ITC Control/Display Unit is a user interface which connects to the ITC12-3200 Control Board via a 6-conductor data wire and allows system operation as part of the Inverter or from remote areas. Two of these units can talk to the System Control Board – One in a Master, and the other in a Slave mode. The DIP switches on top of the Master allow programming of Charger current and Automatic Power Management settings.



- Dimensions**
 8.25"H x 18.5"W x 13.5"D
 Weight 62 lbs.