

IQ SERIES Technical Bulletin

Subject: Change in the operation of Remote APM Panel D07934 due to IQC charger upgrade
Date: June 18, 2002
Models affected: Remote APM Panel D07934
Serial Number: Effective with IQC Inverter/Chargers serial number 02154-049638 and up

Background: The IQC Inverter/Charger's AC Input 1 is the source of AC power for battery charging and also may provide passthrough power for AC loads. The built-in Automatic Power Management circuitry monitors total AC amps on AC Input 1. The APM circuitry limits the battery charger's AC power consumption when necessary so that total amps on AC Input 1 does not exceed the default APM setting of 30 amps. The APM circuitry does not limit the AC power passing through to AC loads but limits the charger so the combined amperage consumed by the charger and the loads does not exceed 30 amps. (A more detailed description of operation is found on page 32 in the IQ Series Owner's Manual.)

The D07943 Remote APM Panel allows the end user to manually adjust the APM setting to three values below the default 30 amp setting. This would be used when the shore power source supplying power to AC Input 1 is rated less than 30 amps.

Reason for Upgrade: Many customers have asked for the ability to remotely turn OFF the charger. This may be desirable when loads in addition to the IQC are connected to a limited AC source. With serial number 02154-049638 and up, the charger can be turned OFF using any D07934 Remote APM Panel.

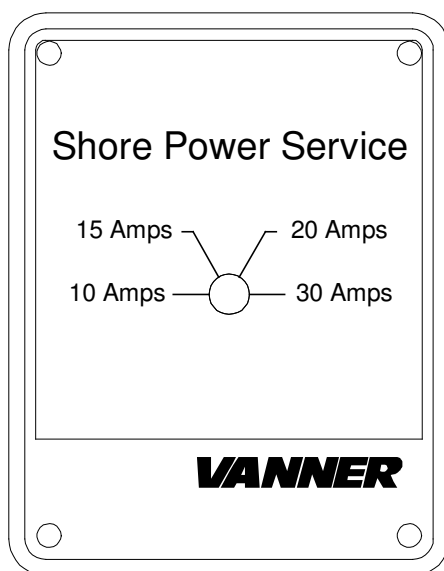
Operation for IQC Inverter/Chargers prior to serial number 02154-049638:

D07934 Remote APM Panel values are 30 amps, 20 amps 15 amps and 10 amps.

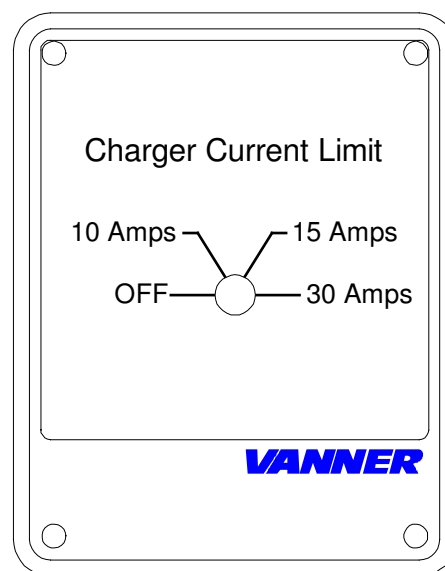
Operation for IQC Inverter/Chargers effective with serial number 02154-049638:

D07934 Remote APM Panel values are 30 amps, 15 amps, 10 amps and zero amps.

D07934 Label Change: The label on the D07934 Remote APM Panel has been updated to show the APM values for IQC Inverter/Chargers effective serial number 02154-049638 and up. No others changes were made to the D07934 remote. The APM values are determined by the serial number of the IQC Inverter/Charger.



D07934 Remote APM Panel
built before sn 02154-049638



D07934 Remote APM Panel
built after sn 02154-049638