



SOLAR STIK®

**PROGRAMMING GUIDE
FOR THE
PRO-VERTER
5000-220 AGS BFF1
PEAK SHAVING¹ MODEL OF
OPERATION²**

**ATSC L0 SYSTEMS
20-0104022**



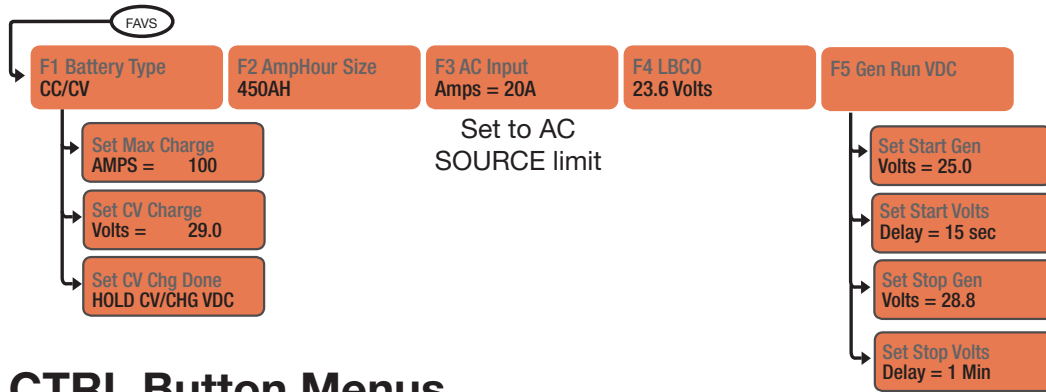
¹ “PEAK SHAVING” is a CYCLING application. Battery capacity must be configured to support load during programmed intervals of INVERTER-ONLY support. Supplemental DC power generation may be used to reduce battery capacity demands. Consult the SYSTEM manual for setup procedures and operation guidelines.

²The PRO-Verter settings used in each Model of Operation are unique and not interchangeable. The PRO-Verter must be programmed specifically for the Model of Operation in which the System is functioning. Damage to System components may occur if a PRO-Verter is not properly programmed for the Model of Operation in which the System is functioning.

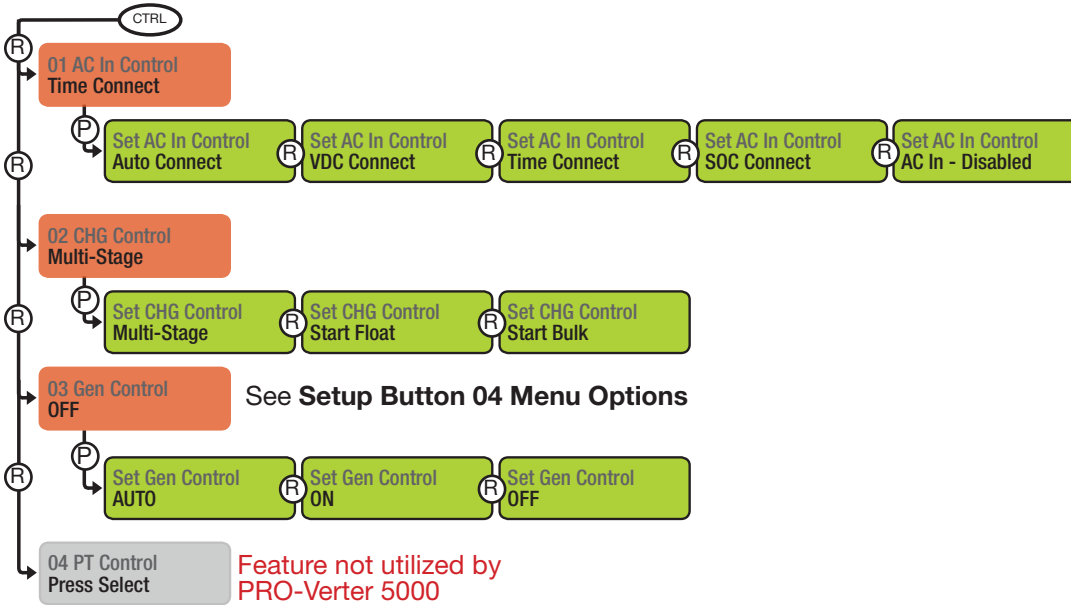
Updated: 20191211

Programming Menu Map

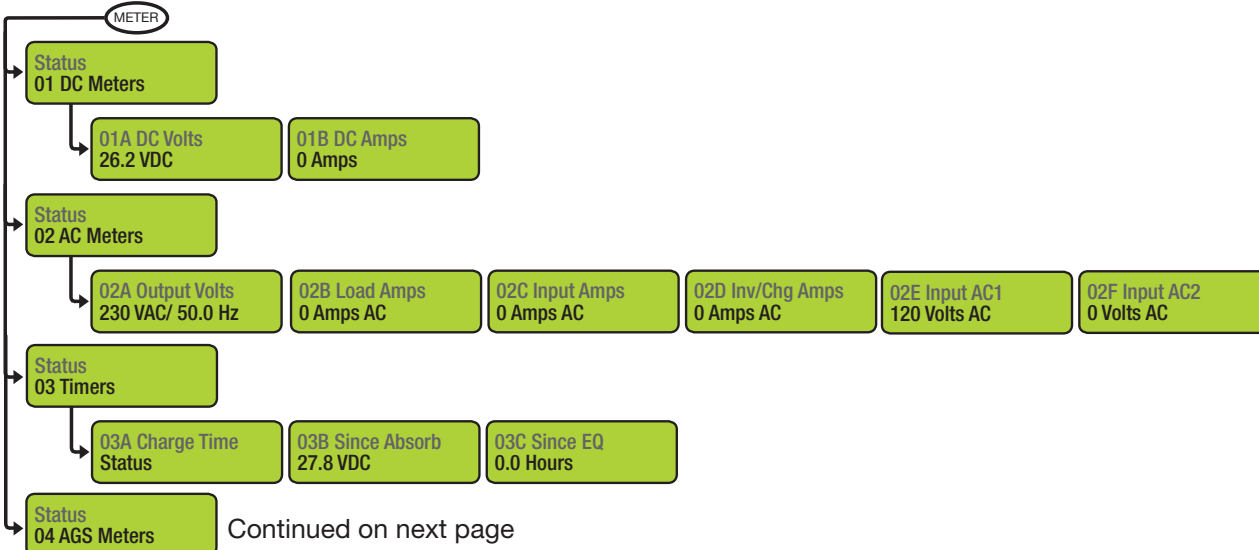
FAVS Button Menus



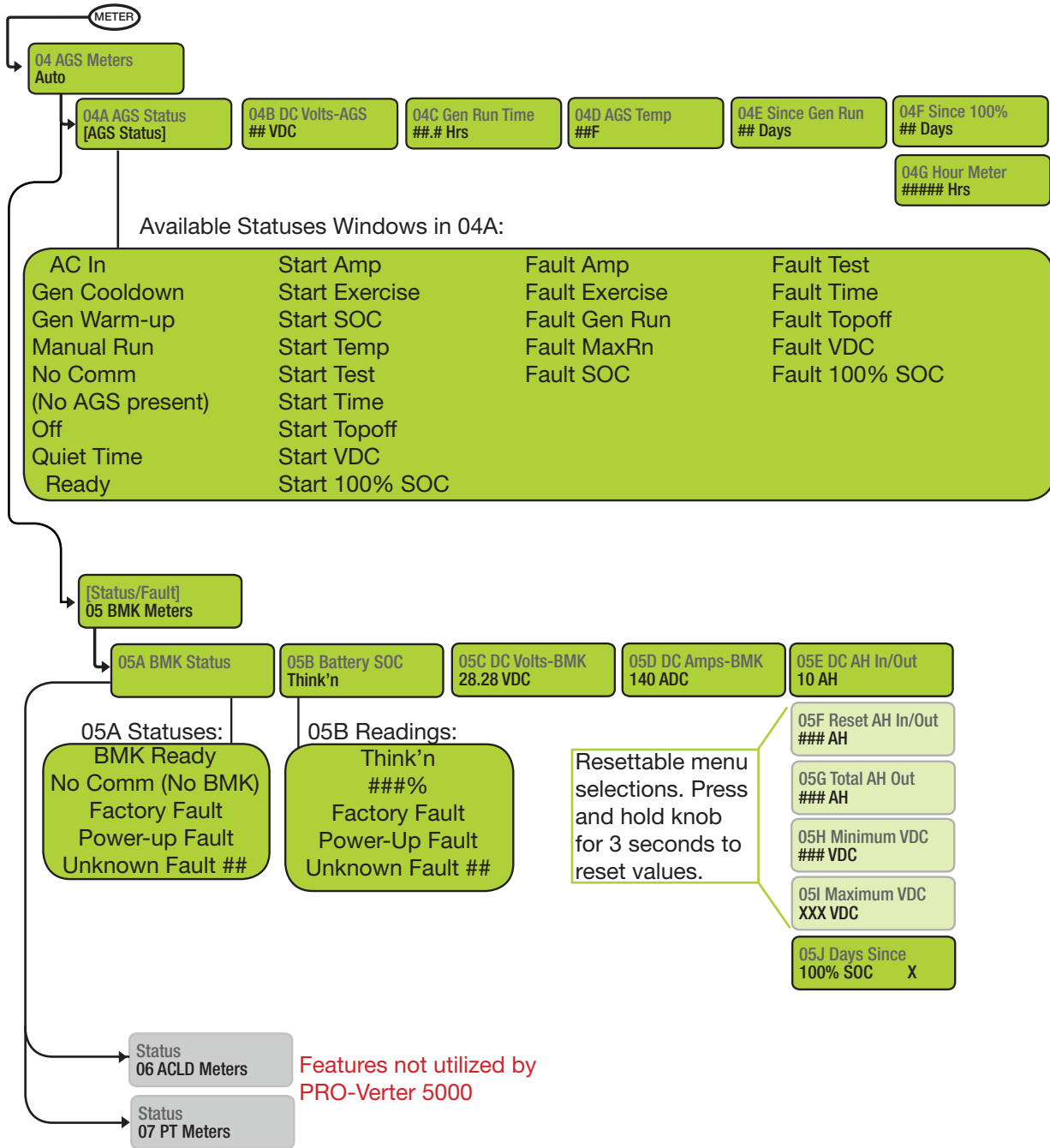
CTRL Button Menus



METER Button Menus: Read-only Displays

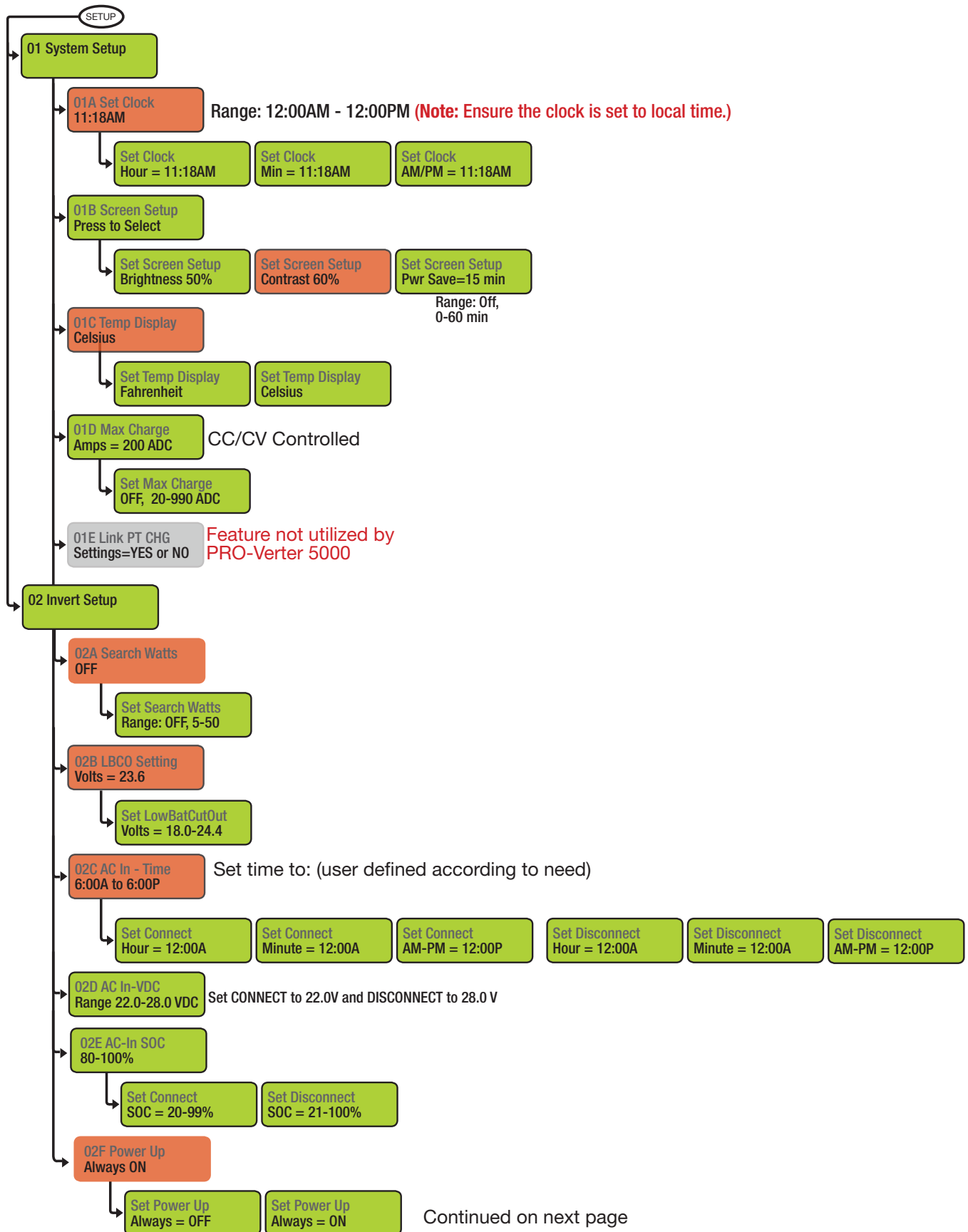


METER Button Menus continued



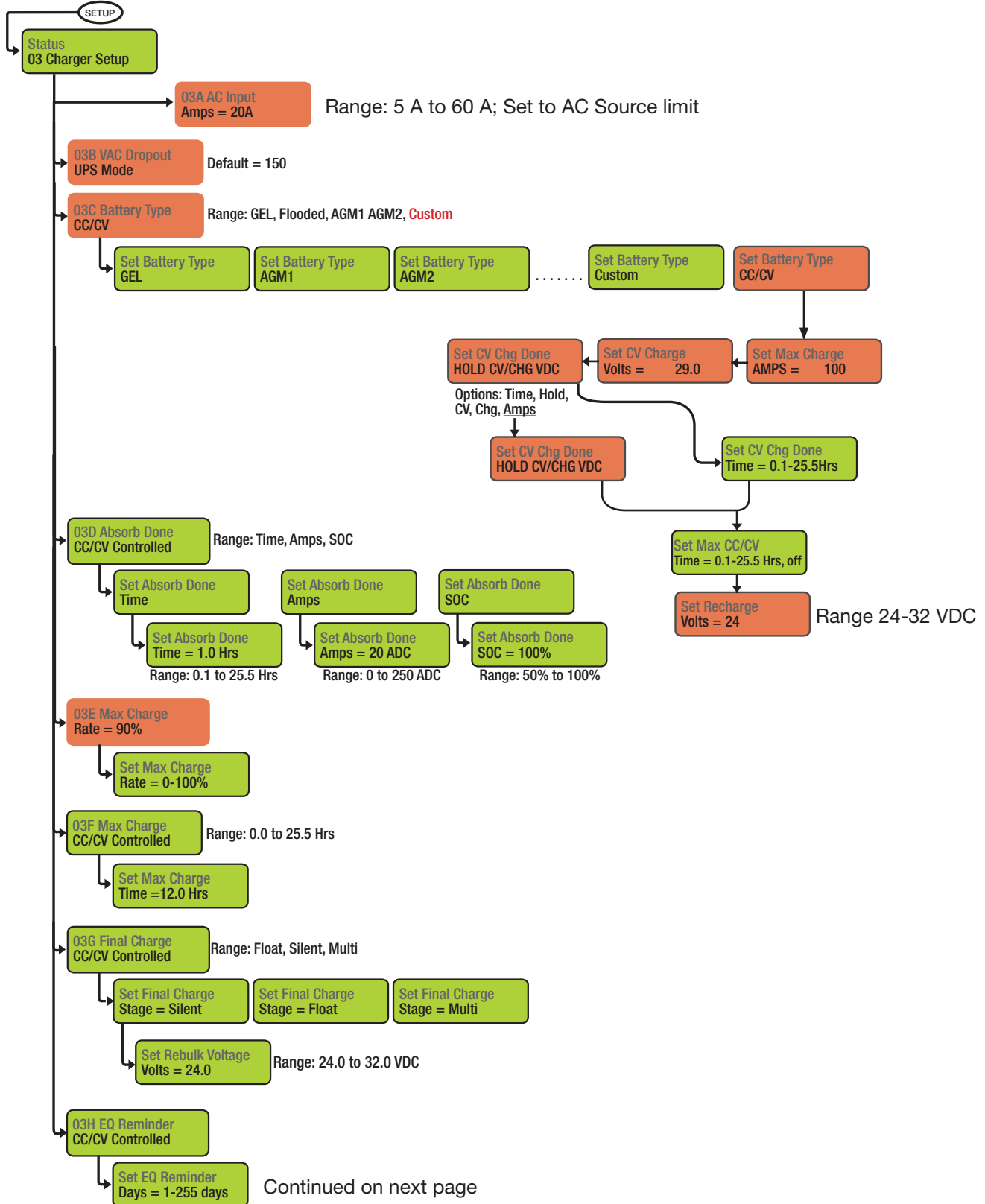
SETUP Button Menus

Setup: 01 System & 02 Inverter Setup



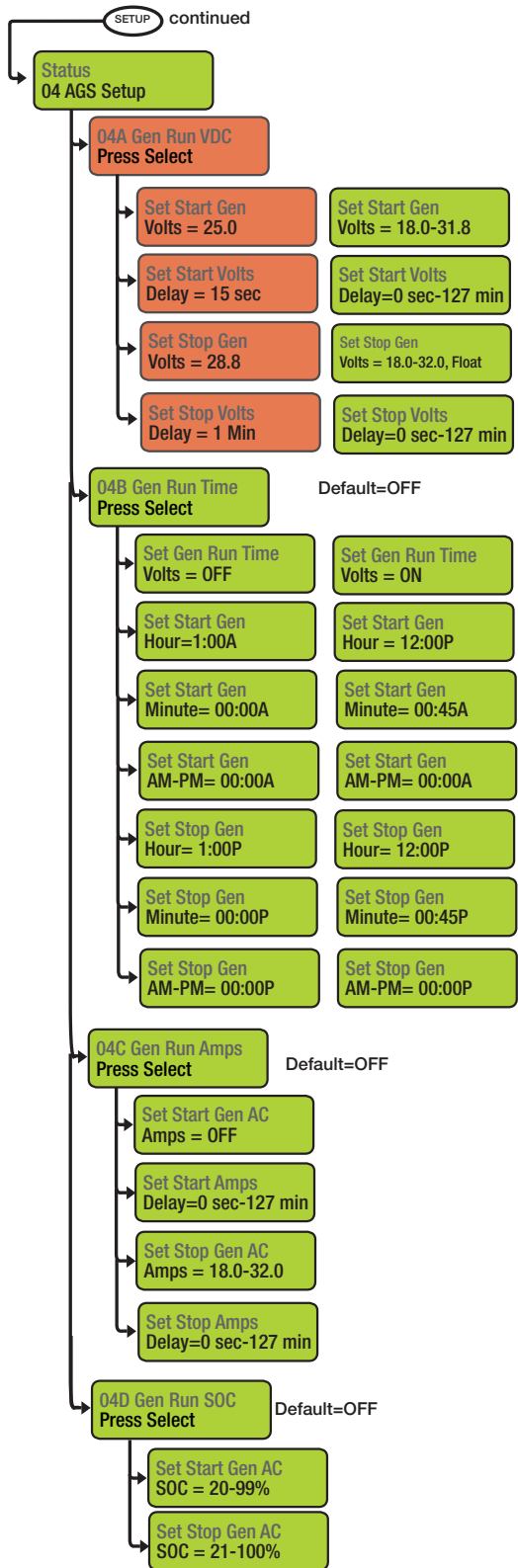
SETUP Button Menus continued

Setup: 03 Charger



SETUP Button Menus continued

Setup: 04 AGS Setup



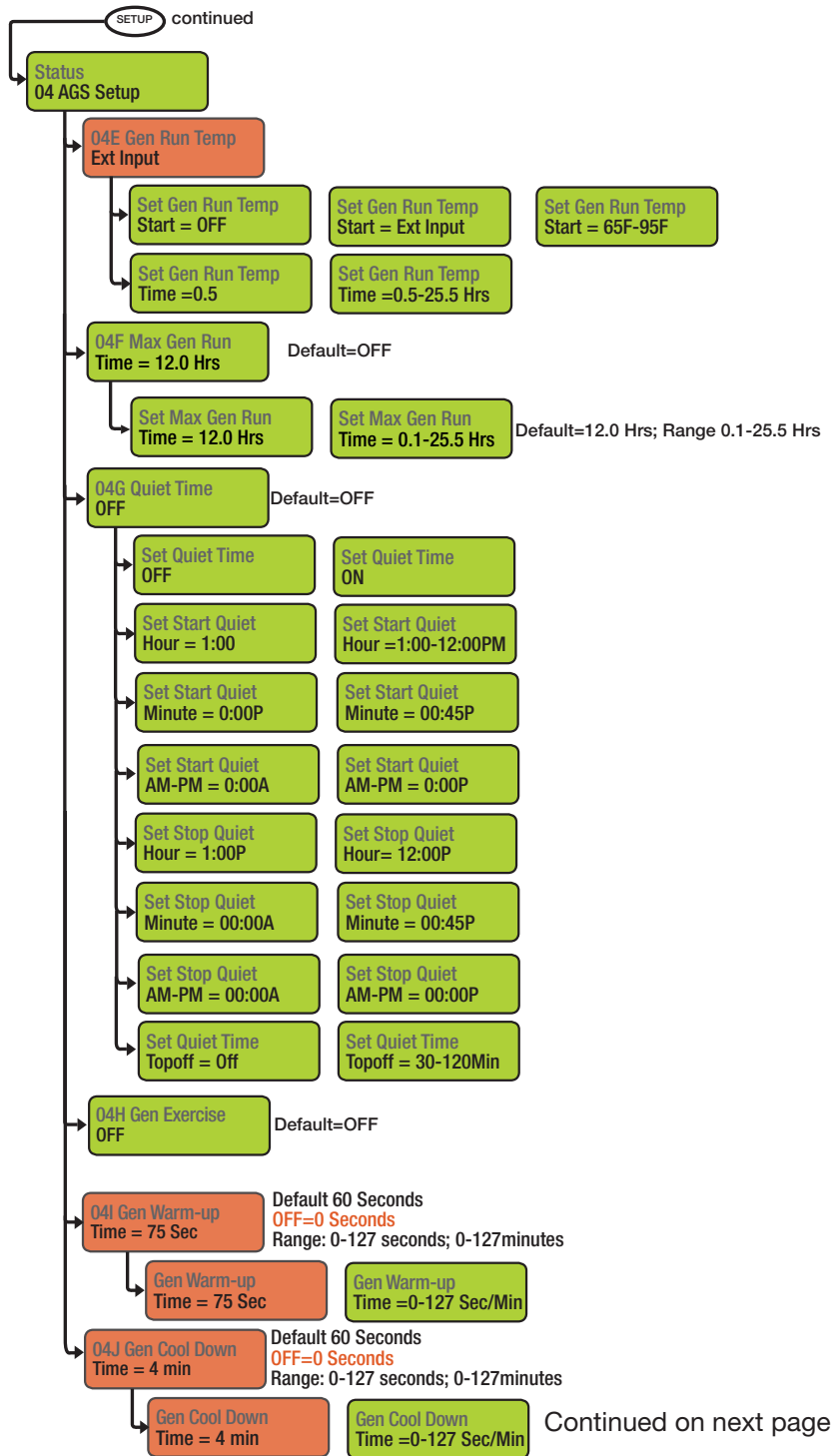
AGS Function Notes

- After 15 seconds at or below 25.0 V, the PRO-Verter sends the start signal to the Generator.
- After 1 minute at or above 28.8 VDC, the PRO-Verter turns off the Generator.
- If the Generator does not start and the battery voltage gets down to 23.6 V (LBCO), the AC Out (Inverter) turns off. This is the LBCO voltage in the menu tree.

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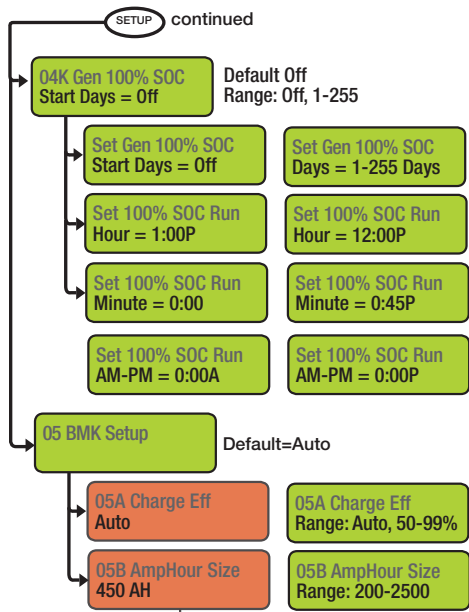
SETUP Button Menus continued

Setup: 04 AGS Setup



SETUP Button Menus continued

Setup: 04 AGS Setup, 05 BMK Setup



Note: The AmpHour Size value should be set according to the total capacity of the battery bank. For example, one 24VDC Li Expander Pak is 100 Ah. The minimum setting allowed is 200 Ah.

Note: The state of charge reported by the 24VDC PRO-Verter 5000-220 will be accurate only if the total battery bank size is at least 200 Ah.

TECH Button Menus

