Quick Start Guide

Models:

- > FLEXmax 80: 80 amps maximum continuous output current (up to 40°C without thermal derating)
- **FLEXmax 60**: 60 amps maximum continuous output current (up to 40°C without thermal derating)

Features:

- Maximum Power Point Tracking
- Supports 12, 24, 36, 48, and 60 Vdc battery voltages
- Backlit display screen (LCD) with 80 characters (4 lines, 20 characters per line)
- Last 128 days of operational data logging
- Voltage step-down capability allowing a higher PV array voltage configuration
- Manual and automatic equalize cycles

Screen Versions:

- English
- > Spanish
- Australian (English with different default settings)

Maximum PV Input Wattage per Charge Controller

Battery Bank Voltage	Maximum PV Input Wattage for the FLEXmax 80	Maximum PV Input Wattage for the FLEXmax 60
12 Vdc	1000 W	750 W
24 Vdc	2000 W	1500 W
36 Vdc	3000 W	2250 W
48 Vdc	4000 W	3000 W
60 Vdc	5000 W	3750 W

FLEXmax Charge Controller



IMPORTANT: Example only. Actual wiring may vary.

All configurations must comply with local and national

electric codes. Consult your local electric authority to



To change the Language, Screen Version or System Voltage:



To access the screens to change the language or system voltage, press and hold the 1st and 3rd soft key at the same time. THEN CLOSE THE DC BREAKERS.

NOTE: Changing these setting will revert all other settings back to the factory defaults. Any customized settings will be lost. See the FLEXmax Series Charge Controller Owner's Manual for details

> The Spanish Status Screen is not shown in this illustration. It is available in the Spanish translation of this document.



To access the Main Menu:

Status Screen



Main Menu Screen



To select a menu from the Main **Menu**, press the < **\leftarrow** > or the < **\rightarrow** > soft key to move the cursor (\rightarrow). When the \rightarrow is next to the desired menu, press <GO>.

Charger—CHARGER SETUP

Adjusts the Current Limit, Absorbing, and Float recharging voltage set points

Aux—AUX OUTPUT CONTROL

Secondary control circuit for a vent fan, AGS, error alarm, and other systemrelated additions

Light—BACKLIGHT CONTROL

Adjusts the backlighting of LCD screen and soft key buttons

EQ—BATTERY EQUALIZE

Activates battery equalization (manually or automatically)

Misc-MISCELLANEOUS

Additional settings and service information

Advanced — ADVANCED MENU

Optimizes/fine-tunes the charge controller

Logging—DATA LOGGING

Displays recorded power production information

STATSSTATISTICS

Displays recorded peak system information and cumulative kilowatt-hours and amp-hours



Press $< \Psi >$ to move the \rightarrow next to the desired setting. Press < - > or <+> to adjust the setting. Press <EXIT> to return to the main menu.







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