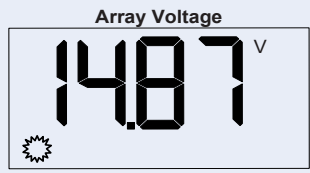


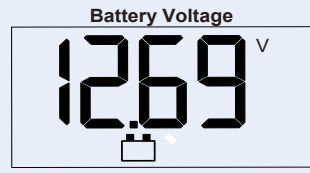
ProStar Meter Map

Main Screens

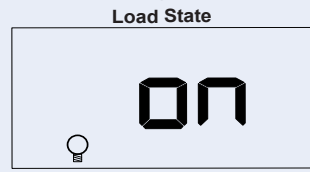
Solar Input Displays



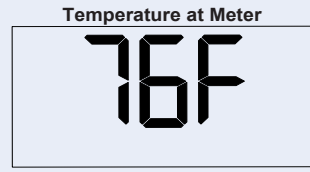
Battery Displays



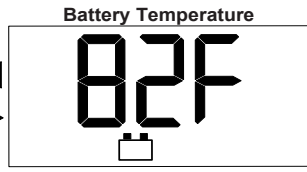
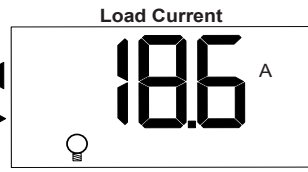
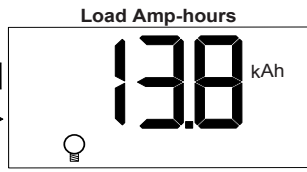
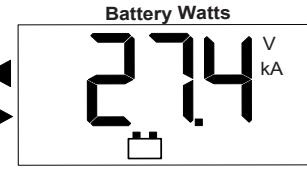
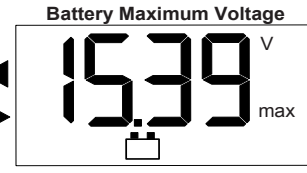
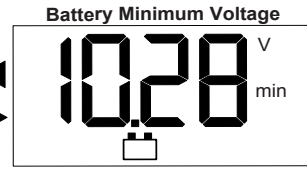
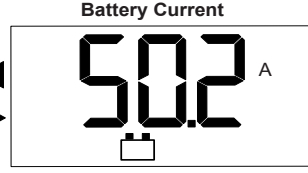
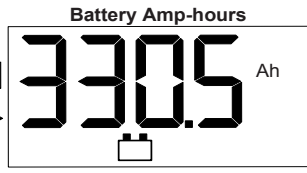
Load Displays



Temperature Displays



Meter Menu



Return to Top

Errors & Alarms

Error Codes List

- E:-- = No errors
- E:01 = External short circuit
- E:02 = Overcurrent
- E:03 = MOSFET(s) shorted
- E:04 = Software error
- E:05 = Heatsink over-temperature
- E:06 = DIP switch changed
- E:07 = EEPROM settings edit (requires reset)
- E:08 = 10V supply fault
- E:09 = processor supply fault

Alarm Codes List

- A:-- = No alarms
- A:01 = RTS Disconnected (always set if no RTS connected)
- A:02 = RTS Shorted
- A:03 = RTS Disconnected
- A:04 = Heatsink Temp. Sensor Open
- A:05 = Heatsink Temp. Sensor Shorted
- A:06 = Heatsink High Temperature Warning
- A:07 = Not Used
- A:08 = Current Offset (measurement error)
- A:09 = Vb Sense Out of Range
- A:10 = Vb Sense Disconnected
- A:11 = Uncalibrated
- A:12 = Battery temp out of range
- A:13 = 10V supply out of range
- A:14 = FET Open
- A:15 = Ia offset (measurement error)
- A:16 = IL offset (measurement error)
- A:17 = 3V supply out of range
- A:18 = Not Used
- A:19 = Not Used
- A:20 = Reset: controller was reset
- A:21 = Low Voltage Disconnect
- A:22 = Log write timeout
- A:23 = EEPROM access failure

Special Functions



= **Meter Settings**
(see manual)



= **Reset to Zero:**
Battery min/max Voltage
Battery Watts
Battery/Load Amp-hours

Self Diagnostics

(Hold 5 Seconds)

00:00 V %
kAh
min
max

TEST

Controller Firmware Version

r 101

TEST

Ambient Temperature

32C

TEST

Heatsink Temperature

H48C

TEST

Error Code(s) List*

E:--

TEST

Alarm Code(s) List*

A:--

TEST

Remote Temp. Sensor Value
(next screen)

r 25

TEST

RTS Temperature **

28C

TEST

Absorption Voltage Setting

14.10 V

TEST

Low Voltage Disconnect Setting

15.0 V
min

TEST

End Self Diagnostics

End

TEST

End of Test - Return to Menu

* See Opposite Page for Error & Alarms code list

** If a RTS is not connected, temperature will be reported as 25 C

Datalogging

Hold ● + ▶ 5 seconds to exit datalogging

(Hold 5 Seconds)

Log

Today's Data

0

Maximum Battery Voltage

15.22 V
max

Minimum Battery Voltage

10.38 V
min

Solar Amp-hours

4876 Ah

Load Amp-hours

8935 Ah

Maximum Solar Voltage*

43.09 V
max

Daily Error List

E:--

Daily Alarm List

A:--

Minutes in Float

193 min

Log

Yesterday's Data

-1

Maximum Battery Voltage

15.22 V
max

Minimum Battery Voltage

10.38 V
min

Solar Amp-hours

4876 Ah

Load Amp-hours

8935 Ah

Maximum Solar Voltage*

39.87 V
max

Daily Error List

E:--

Daily Alarm List

A:--

Minutes in Float

206 min

Log

30 Days Ago

-30

Maximum Battery Voltage

15.22 V
max

Minimum Battery Voltage

10.38 V
min

Solar Amp-hours

4876 Ah

Load Amp-hours

8935 Ah

Maximum Solar Voltage*

40.66 V
max

Daily Error List

E:--

Daily Alarm List

A:--

Minutes in Float

48 min