

SBA & DBA 1272V - Product Specifications

Absolute Maximum Ratings:

Maximum Input Voltage	95 volts
Minimum Operating Voltage	7.8 volts
Maximum Operating and Storage Temperature	60 degrees Celsius (140 F)
Minimum Operating Temperature (non-condensing)	-20 degrees Celsius (-4 F)

Operating Characteristics:

Measurement range	7.8 to 95 volts DC
Resolution	10 millivolts
Average Operating Current (no alarms or backlight)	2 mA at 12 VDC
Accuracy (calibrated)	+/- 0.1%, +/- 1 LSB
Scan rate (for dual battery systems)	Approximately 6 seconds per channel

LED Coding

Flashing Green	Normal Operation - battery voltage within limits
Flashing Yellow	Warning - Battery voltage is near setpoint
Steady Yellow	Display is showing setpoint
Steady Red	Alarm – Battery voltage is at or below setpoint
Flashing Red	Alarm – Voltage very low – Battery damage possible
Red flash once every 10 seconds	Battery absent (only for dual battery systems)

Two Open Collector Outputs (Option)

Maximum Voltage	+80 volts DC
Maximum Current	+50 mA DC
Typical Collector Saturation Voltage at 50 mA	0.28 volts
Emitters are tied to battery negative	
Note: Outputs are not fused.	

Relay (Option)

SPDT (isolated) UL/CSA approvals. Note that the relay is a latching type (i.e. power is required only when switching). Relay will reset if battery(s) are disconnected or if voltage falls below 7.8 volts.
Note: Contacts are not fused.

Contact Rating:

30 VDC	2 A. (resistive)
110 VDC	0.3 A (resistive)
125 VAC	0.5A (resistive)