



# FLEXnet™ DC

## Advanced DC System Monitor

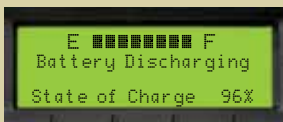
- Easily Watch What Your DC System Is Doing
- Extends Your System's Battery Life
- Reduces Generator Run-Time/ Fuel-Consumption
- Provides Battery State-of-Charge Level
- Monitors Energy Production and Consumption
- Improves System Performance and Efficiency
- Simple Installation and Setup
- Provides 128 Days of System Data Logging



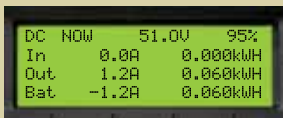
**FLEXnet™**

(MATE required, not included)

OutBack Power's FLEXnet™ DC is the ultimate in DC System monitoring devices. Our integrated networked communications make valuable, usable data available from your system, viewable on an OutBack MATE communications device (screens seen below), providing you with the answers you need concerning your system's health, performance and efficiency.



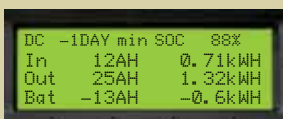
**Battery Status Screen** - Easily see your system's current condition with this at-a-glance display. This screen shows an easy to interpret "fuel gauge" style status bar, current state-of-charge and whether you are currently charging or discharging your batteries. This is useful for those system owners who want a way to quickly understand the current state of their battery bank.



**Now Summary Screen** - Monitor the amount of power your system is currently producing and consuming as well as the amount of power going IN and OUT of your battery bank. This screen also displays your battery bank's voltage and current state-of-charge, providing you with real-time production monitoring of DC sources, such as a solar array or small wind turbine, as well as consumption by loads.



**Today Summary Screen** - Monitor the cumulative energy your system has produced and consumed as well as the total amount of energy that has gone to charging your batteries today. This screen also displays today's lowest state-of-charge and allows you to see how your overall system production compares to system consumption.



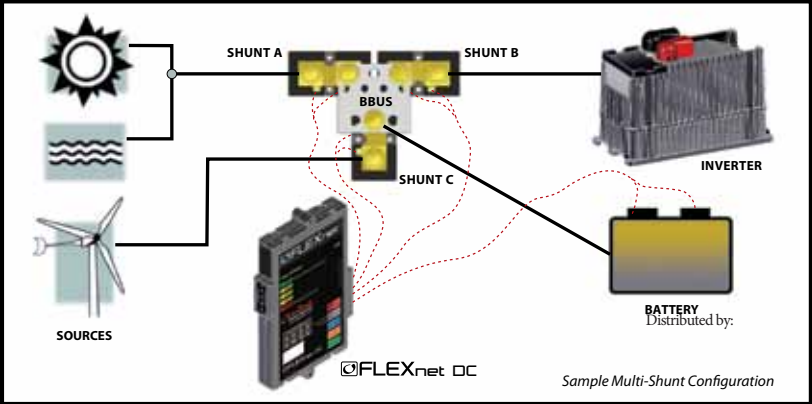
**History Summary Screen** - Review historical energy production/consumption data for the most recent 128 days, including the minimum battery state-of-charge reached for each day. This screen can be used to watch power system production and consumption trends.

**OutBack  
POWER™**  
member of The Group™

FLEXnet-DC Specifications

Battery Voltage Input Range		8.0 to 80.0 VDC
Battery Voltage Resolution		0.1 VDC
Number of Current Channels		One to Three (each can be a Source or Load)
Current Range (Each Channel)		-1000.0 Amps to +1000.0 Amps DC
Current Resolution		0.1 Amps DC
State of Charge Display		0 to 100% (1% increments)
Aux Relay Configuration		SPST, Magnetic Latching Relay
Aux Relay Max Rating		5A @ 30 VDC
Current Shunt Type (order separately)		500A / 50mv
Display	Primary	MATE, MATE2 or MATE3
	Secondary	Five LED Indicators on front of FLEXnet DC
Battery AH Capacity Range		100 to 10,000 Amp Hours
Data Logging Memory		Most recent 128 Days
Programmable AUX Relay Settings	Battery Volts	Adjustable from 8.0 to 80.0 VDC
	State of Charge	Adjustable from 0 to 100%
	Time Delay	Adjustable from 0 to 240 Minutes
Accuracy		0.5% of Reading +/- 2 LSDs per channel
Operating Temperature Range		0 to 50°C / 32 to 122°F
Mounting		3/4" Panel Mount Breaker Slot or Surface Mount using Built-in Mounting Bars
Warranty		Standard 5 year
Weight	Unit	5 oz (.14 kg)
	Shipping	2 lbs (.91 kg)
Dimensions (H x W x L)	Unit	0.7 x 3.7 x 6.6" (1.9 x 9.4 x 16.8 cm)
	Shipping	2.1 x 9.0 x 11.5" (5.4 x 22.9 x 29.2 cm)

\*Specifications subject to change without notice



Additional Available Data

- Total Battery Amps
- Averaged Battery Amps
- Averaged Battery Volts
- DC Amp-Hours IN Per Shunt
- DC Amp-Hours OUT Per Shunt
- DC kWh IN Per Shunt
- DC kWh OUT Per Shunt
- Last Cycle Amp Hours
- Last Cycle Watt Hours
- Last Cycle Amp Hour Charge Factor
- Last Cycle Watt Hour
- Charge Efficiency
- Total Number of Days Full
- Cumulative Battery Amp Hours Removed

Available From:

Royal Battery Distributors, Inc  
[www.royalbattery.com](http://www.royalbattery.com)

