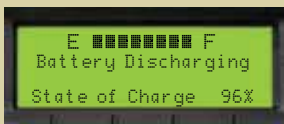


- Easily Watch What Your DC System Is Doing
- Extends Your System's Battery Life
- Reduces Generator Run-Time/ Fuel-Consumption
- Provides Battery State-of-Charge Level
- Monitors Energy Production and Consumption
- Improves System Performance and Efficiency
- Simple Installation and Setup
- Provides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

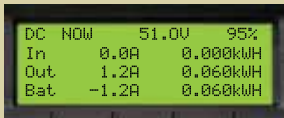


**FLEXnet™**  
(MATE required, not included)

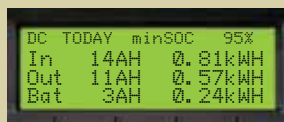
OutBack Power's FLEXnet™ DC is the ultimate in DC System monitoring devices. Our integrated networked communications make valuable, usable data available from your system, viewable on an OutBack MATE communications device (screens seen below), providing you with the answers you need concerning your system's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



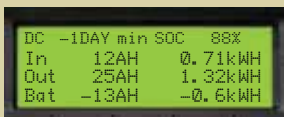
**Battery Status Screen** - Easily see your system's current condition with this at-a-glance display. This screen shows an easy to interpret "fuel gauge" style status bar, current state-of-charge and whether you are currently charging or discharging your batteries. This is useful for those system owners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

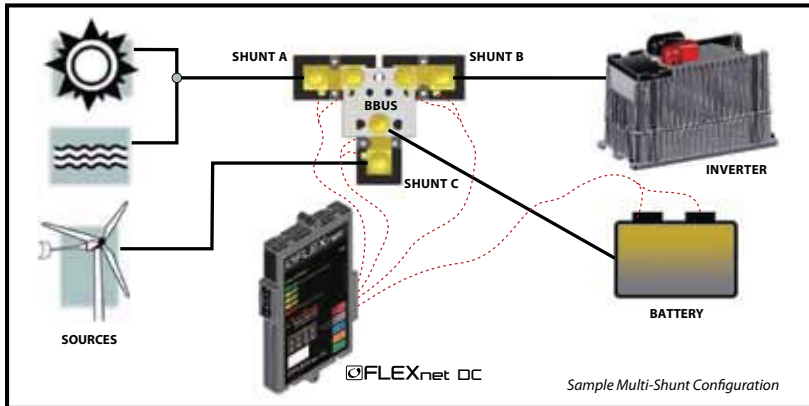


**History Summary Screen** - Review historical energy production/consumption data for the most recent 128 days, including the minimum battery state-of-charge reached for each day. This screen can be used to watch power system production and consumption trends.

# FLEXnet-DC Specifications

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

**Blue Pacific Solar™**

[www.BluePacificSolar.com](http://www.BluePacificSolar.com)



**Corporate Office:**  
 5917 195th St. NE  
 Arlington, WA 98223 USA  
 Phone: +1 360 435 6030  
 Fax: +1 360 435 6019

**European Office:**  
 Hansastrasse 8  
 D-91126  
 Schwabach, Germany  
 Phone: +49 9122 79889 0  
 Fax: +49 9122 79889 21

**Asia Office:**  
 Suite 1903, Tower 1, China Hong Kong City  
 33 Canton Road, Kowloon  
 Hong Kong  
 Phone: +852 2736 8663  
 Fax: +852 2199 7988

**Latin American Office:**  
 15105 Cedar Bluff Pl.  
 Wellington, FL 33414 USA  
 Phone: +1 561 792 9651  
 Fax: +1 561 792 7157