



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

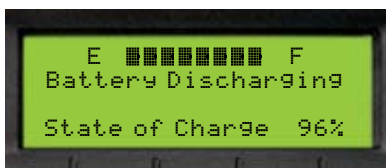
Monitors Energy Production and Consumption

Improves System Performance and Efficiency

Simple Installation and Setup

Provides 128 Days of System Data Logging

The OutBack Power Systems 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

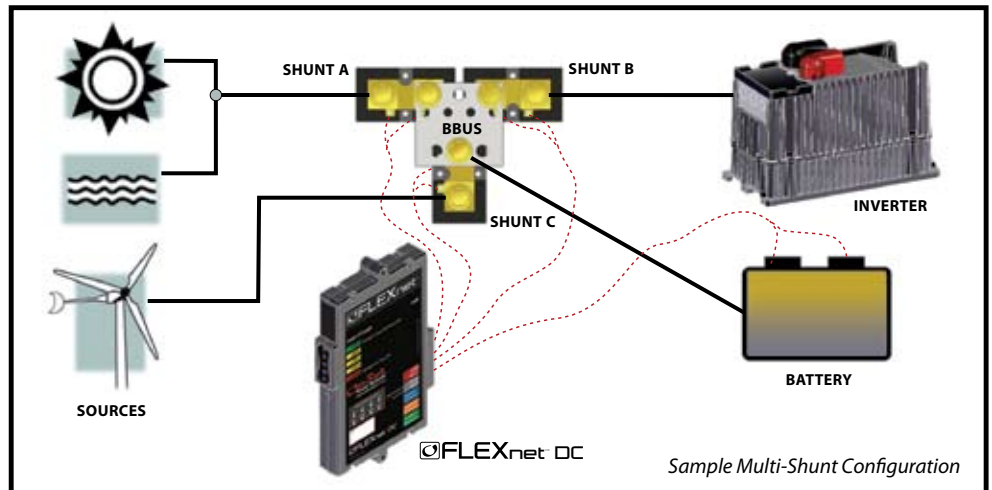
Review historical energy production/consumption data for the most recent 128 days, including the minimum battery state-of-charge reached for each day. This screen can be used to watch power system production and consumption trends.

FN-DC Specifications

| | | |
|---------------------------------------|-----------------|--|
| Battery Voltage Input Range | | 8.0 to 80.0 Volts DC |
| Battery Voltage Resolution | | 0.1 Volts DC |
| 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 | | 5 Amps @ 30 Volts DC |
| Current Shunt Type (order separately) | | 500 Amp / 50mv |
| Display | Primary | OutBack Power MATE or MATE2 4 x 20 LCD |
| | 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 - 50°C |
| Mounting | | 3/4" Panel Mount Breaker Slot or Surface Mount |
| Warranty | | Standard 2 year |
| Weight | Unit | 5 oz. (.142kg) |
| | Shipping | 2 lbs. (.907 kg) |
| Dimensions (H x W x L) | Unit | 0.74 x 3.72 x 6.60" (1.88 x 9.45 x 16.75 cm) |
| | Shipping | 2.13 x 9 x 11.5" (5.4 x 22.86 x 29.21 cm) |

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



OutBack
Power Systems™

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