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# SMART BATTERY HUB

## Power management redefined

The BEP Smart Battery Hub is a complete all in one battery management system. Simplify battery management with remotely activated switches, automatic Voltage Sensitive Switching combined with emergency parallel functionality. Enclosed in a robust easy to install, Ignition Protected IPX7 enclosure. Monitoring and transmission of battery voltages and full house bank state of charge over NMEA2000 for integration with multi-function displays. Options for two to six engine configurations available.



### FEATURES & BENEFITS

- Monitors and transmits all battery voltages, including house bank state of charge via NMEA2000.
- IPX7 and Ignition Protected.
- Remotely operated switches via analog inputs or CZone®.
- Ultra low power consumption.
- Full mechanical override of all switches for safety and servicing.

### ADDITIONAL FEATURES

- Remotely operated emergency parallel switches.
- Bi-directional Voltage Sensitive Switching with configurable cut in and out voltage thresholds.
- Monitor up to 2 tank levels, additional battery voltage, temperature or pressure using industry standard sensors.
- Status LED's for all switch outputs and fault indication.
- Equipped with advanced core CZone® feature set like load shedding, NMEA2000 switch bank support and many more.
- Support for CZone® logic blocks and data switching USB port allows firmware upgrades and full CZone® system updates including configuration changes over the NMEA2000 network (no PC or adapters required).
- 2 x 10A fused 24 hr house outputs with State of Charge monitoring.
- Stand-alone functionality for systems without CZone®.

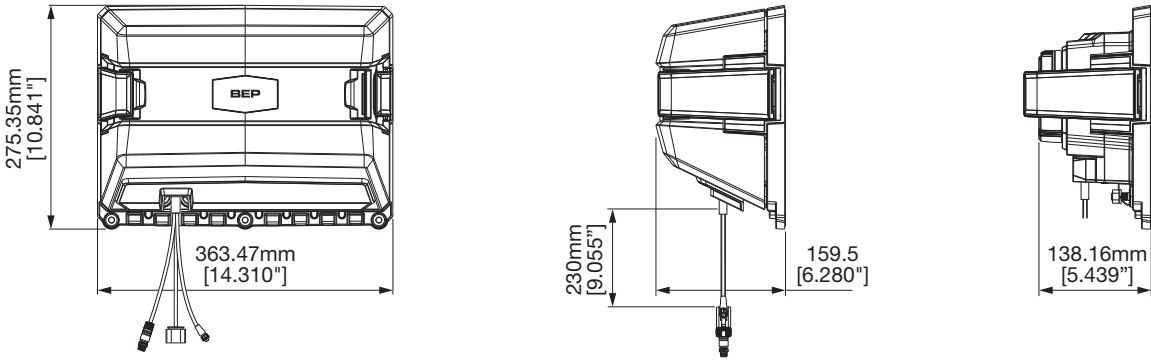
### PART NUMBERS

- |                |                                     |
|----------------|-------------------------------------|
| 80-716-0030-00 | SMART BATTERY HUB TWIN ENGINE       |
| 80-716-0031-00 | SMART BATTERY HUB TRIPLE ENGINE     |
| 80-716-0032-00 | SMART BATTERY HUB TEMP SENSOR (15m) |

### SPECIFICATIONS

Weight	8.4kg (18.5lb)	Ingress protection	IPX7
Power consumption max	92mA	Compliance	CE, NMEA, ISO8846/SAEJ1171
Power consumption sleep	<3.5mA		Ignition Protected
NMEA2000 connectivity	1 x NMEA 2000 Micro-C port, 1 LEN	Nominal Voltage	12 or 24V, power harvested from all batteries
Warranty period	5 years	Continuous rating:	300A
Operating temperature range	-15C to +55C (-5F to +131F)	Intermittent rating:	700A
Storage temperature range	-40C to +85C (-40F to +185F)	Cranking rating:	1450A
Dimensions W x H x D	363.5 x 275.4 x 159.5mm (14.310 x 10.841 x 6.280")	Additional Inputs	3 x Master switch inputs, 2 x Analogue Inputs: Positive or Negative Switching, 0-30 Volt, 0-1000 Ohm Resistance & 4-20mA Current. 1 x Battery temperature sensor
NMEA2000 PGN Output	Fluid Level, Pressure, Temperature, Battery Volts, State of Charge		
Monitoring	Battery voltage, House current draw, House state of charge		

### DIMENSIONS



### SYSTEM EXAMPLE

