

# BEP

■ TRUSTED QUALITY

## SMART BATTERY HUB

Power management redefined.



**5** TRUSTED QUALITY  
5-YEAR WARRANTY  
ON ALL PARTS

WORKS WITH  
**C20S**

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# SMART BATTERY HUB

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

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## 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

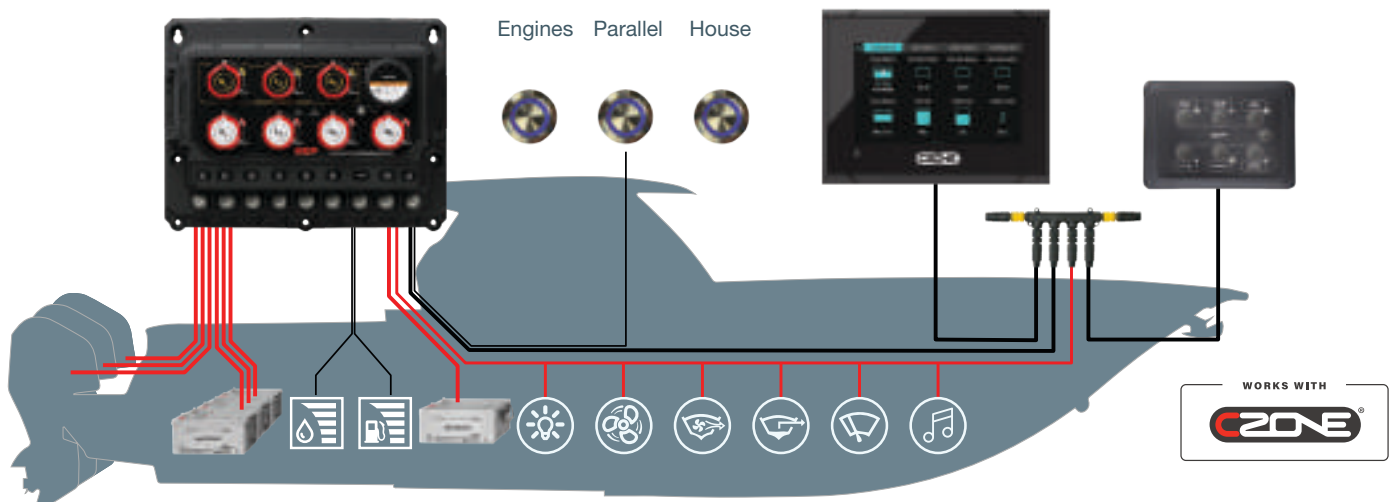
80-716-0030-00	SMART BATTERY HUB TWIN ENGINE
80-716-0031-00	SMART BATTERY HUB TRIPLE ENGINE
80-716-0032-00	SMART BATTERY HUB TEMP SENSOR (15m)

## SPECIFICATIONS

Weight	8.4kg (18.5lb)	Ingress protection	IPX7
Power consumption max	92mA	Compliance	CE, NMEA, ISO8846/SAEJ1171 Ignition Protected
Power consumption sleep	<3.5mA	Nominal Voltage	12 or 24V, power harvested from all batteries
NMEA2000 connectivity	1 x NMEA 2000 Micro-C port, 1 LEN	Continuous rating:	300A
Warranty period	5 years	Intermittent rating:	700A
Operating temperature range	-15C to +55C (-5F to +131F)	Cranking rating:	1450A
Storage temperature range	-40C to +85C (-40F to +185F)	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
Dimensions W x H x D	363.5 x 275.4 x 159.5mm (14.310 x 10.841 x 6.280")		
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





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