

BMS

Battery Monitoring System

The Battery Monitoring System (BMS) monitors the battery cells of an on-board hybrid power source to provide real time information to a Monitoring System.

The Battery Drawer Supervisor (BDS) measures voltage and temperature from the batteries and communicates the information to the Battery Monitoring Control Unit (BMCU) which can supervise up to 84 BDS.



BDS1 & BMCU1 shown

HIGHLIGHTS

- Self-diagnostic (the BMCU can locate a defective BDS or a broken data link)
- Maintenance free
- Can be used in any hybrid power system such as cranes and locomotives
- Highly accurate and stable measurements

SERVICE PROVEN

BMCU1, BDS1 | Railpower | Crane Application | Chicago Port Authority
Chicago, IL, USA

BMCU1, BDS1 | Railpower | Locomotives Battery System | Union Pacific
USA

MODELS & FEATURES

Part Number Base	BMCU1	BMCU2	BDS1	BDS2	BDS3
Operating Voltage	24V _{DC}	24V _{DC}	8V _{DC}	8V _{DC}	16V _{DC}
Number of Inputs	-	-	3	3	4
RS-485 Communication	X	X	X	X	X
Length X Height X Depth 9.30" X 11.50" X 4.70"	X	X	-	-	-
Length X Height X Depth 8.06" X 1.24" X 4.22"	-	-	X	X	X

X = Included, O = Optional, F = Factory selectable