DC Voltage Transmitter | OM-BOD-V103D

The OM-BOD-V103D DC Voltage Transmitter accurately measures battery string voltage for online battery monitoring applications. It integrates seamlessly with battery monitoring hosts, Hall effect current sensors, and individual battery acquisition modules for a complete battery supervision solution. Featuring automatic address encoding upon connection to the monitoring host, it self-configures its position and battery group correspondence for simplified deployment. Utilizing SNS bus communication, it supports mixed serial connections with current sensors and battery modules for flexible system expansion. Compact design enables easy installation in various battery bank configurations.

Specifications

Power Supply	
Voltage	9 ~ 16V DC
Current	≤30mA @ 12V DC
Overvoltage/Overcurrent Protection	18V / 200mA
Protection Method	PPTC + TVS
Surge Protection	600W
Measurement Parameters	
Voltage Range	0 ~ 700V DC
Voltage Accuracy	±0.5% (FS) @ 25°C
SNS Bus Interface	
Quantity	2 ports
Connector Type	RJ45 (T568B)
Baud Rate	4800 bps
Address Setting	Automatic address encoding, range 1 ~ 255
Protection Method	PPTC + TVS
Overvoltage/Overcurrent Protection	18V / 200mA
Operating Environment	
Operating Temperature	-40°C ~ 85°C
Operating Humidity	5% ~ 95% RH (non-condensing)
Isolation	
Isolation Voltage	4200V
Indicators	
Status LED	Yes
Mechanical Specifications	
Dimensions (L × W × H)	75 mm × 46 mm × 26.4 mm (±2 mm)