



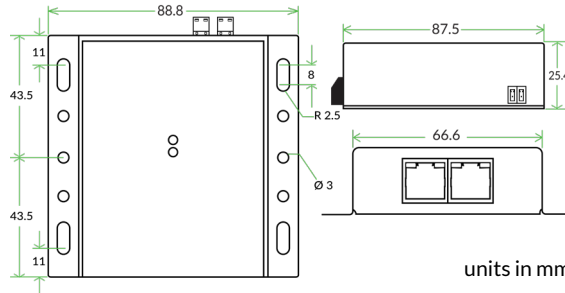
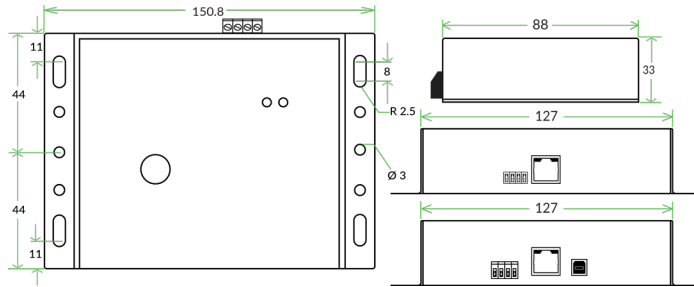
## Battery Monitoring System (PWR-BAT-STRING) + (PWR-BAT-CELL)



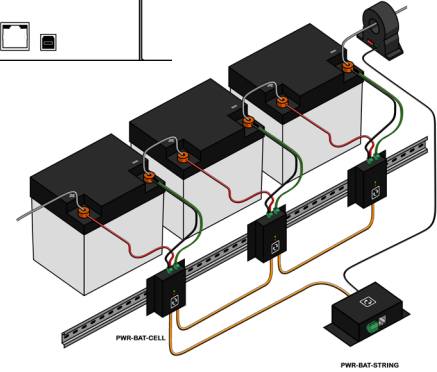
**PWR-BAT-STRING**



**PWR-BAT-CELL**



units in mm



Industrial battery monitoring system designed for lead acid, lithium-ion, or nickel battery cells and string. Powered by the base unit for up to 15 batteries with fused power and measurement circuits for protection. Monitors key parameters such as min/max voltage, temperature, impedance, and state of charge for each battery block, along with total voltage and current.

### Certifications:

CE and RoHs compliant
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### Sensor Metrics:

Optional version	PWR-BAT-STRING-485 (with RS485 support)		
<b>PWR-BAT-STRING</b>	<b>Measurement Range</b>	<b>Accuracy</b>	<b>Resolution</b>
Total string current	0-300A	± 0.5%	0.07A
<b>PWR-BAT-CELL</b>	<b>Measurement Range</b>	<b>Accuracy</b>	<b>Resolution</b>
Terminal voltage	1-65V	± 0.5%	2%
Battery temperature	-55~+125°C / -67 ~+257 °F	± 0.5°C / 0.9 °F	0.1°C / .18 °F

### Technical Specifications:

Powered by and communicates with	Base Unit (BASE-XX) (required) for up to 15 batteries
Connectivity	RJ45 cable transmitting data & power from Base Unit to Sensor
Cable specification	RJ45 CAT 6/7 recommended Up to 100m (330ft) subject to cable quality & interference
Power usage	500 mW per device

### Environmental Specifications:

Operating temperature range	0°C to +75°C (32°F to +167°F)
Humidity (operating and storage)	< 90% rH (non-condensating)

### Physical Specifications:

Sensor enclosure	Plastic industrial grade enclosure	
Mounting option	PWR-BAT-STRING	PWR-BAT-CELL
	OU rack, DIN rail or wall mountable	OU rack, DIN rail or wall mountable
Dimensions	(150mm (5.91") x 88mm (3.46"))	(80mm (3.15") x 60mm (2.36"))
Weight	166.4g (0.37lb)	98.8g (0.22lb)