

BMS

BMS TECHNICAL DATA SHEET

MODEL		SPECIFICATIONS				
BMS-DC-LCDII (Central Unit)	User interface	7" colour LCD touch screen display				
	Supply voltage	12 Vdc				
	Power consumption	≤ 9 W				
	Communication ports	Ethernet, 2 RS485 Modbus RTU, dry relay contacts (1 in/3 out)				
	RF receiver monitoring	Up to 63 RF receivers				
	Wireless devices that can be connected	Up to 750				
	Storage capacity	SD memory card up to 16 gigabytes				
	Dimensions (WxDxH) mm	260x57x150				
	Weight (kg)	0.85				
BMS-RFR (RF receivers)	Supply voltage	12 Vdc				
	Power consumption	≤ 3 W				
	Operating frequency	RF 2.4 GHz (wireless)*				
	Wireless devices that can be connected	Up to 256				
	Dimensions (WxDxH) mm	129x70x35.5				
	Weight	0.4				
BMS-BMK (Battery meter)	Voltage	1.2V (Ni-Cd)	2 V	6 V	12 V	
	Measurement range	0.95–2.00 V	1.48–4.00V	4.2–8.0V	8.5–16.0V	
	Tolerance	±5 mV			±10 mV	
	Impedance measurement accuracy	2 μΩ		10 μΩ	>65 Ah 15 μΩ	<65 Ah 25 μΩ
	Measurable temperature**	0–100°C ±1°C				
	Power consumption	≤ 0.5 W				
	Input impedance	≥ 1 mΩ				
	Dimensions (WxDxH) mm	100x70x27				
	Weight (kg)	0.1				
BMS-SMK (Battery Monitoring System) SMK (String meter)	Measurement range	0–120 V		120–750 V		
	Tolerance	±0.2%				
	Measurable temperature	0–100°C ±1°C				
	Measured current range***	0–3000 A				
	Supply voltage	12 Vdc				
	Power consumption	≤1.5 W				
	Input impedance	≥1 mΩ				
	Dimensions (WxDxH) mm	100x70x27				
	Weight (kg)	0.09				

* The maximum transmission distance is estimated to be 50 m if there are no obstacles. A distance of less than 20 m is recommended for optimal performance.

** The optional temperature sensor (TES) is required in order to measure the temperature.

*** The optional Hall-effect current transformer (HCT) is required in order to measure the battery current.