

## Technical Specification

<b>BMS 3G Data Collector (DC)</b>	
<b>General</b>	
Operating Temperature	0 ~ 40°C
Relative Humidity	≤ 95% without condensing
Power Supply Input	12Vdc, 35~60Vdc
Power Consumption	Maximum 18W
Receiving type / Range	RF 2.4G for wireless / 50M Max., ≤30M typical
Available Communication Port	Ethernet TCP/IP, RS 485, Input/Output Dry contact card
Maximum Monitoring nodes	256 nodes per system
<b>Display</b>	
Type	LCD, Graphic Touch Screen
Storage Size	Up to 2GB
<b>Data Readings</b>	
Real-time Monitoring Information	Block Voltage, Battery Impedance, String Voltage String Current, Environment Temperature
Battery Test Functions	Battery Block Voltage, Battery Impedance, Battery String Voltage, Battery String Current, Environment Temperature, Curve
Chart Displays	Curve, Bar Graph, Average
Events Logs	Up to 365 days recording, limited by flash card memory
Sensor Network Management	Battery Configuration Setting, Network Parameters Setting

<b>BMS 3G Battery String Voltage/String Current/Total Current Measurement Kit (SMK)</b>	
<b>General</b>	
Operating Temperature	0 ~ 40°C
Power Supply Input	35~60Vdc
Power Consumption	Maximum 3W
Transmitting type / Range	RF 2.4G for wireless / 50M Max., ≤30M typical
<b>Voltage Measurement Input</b>	
Range	750V max.
Resolution	0.1V
Accuracy	±0.3V
<b>Current Measurement Input</b>	
Range	Up to 3000A
Resolution	0.1A
Accuracy	±0.3%
<b>Temperature Measurement Input</b>	
Range	0~100°C
Resolution	0.1°C
Accuracy	±1°C

<b>Accessories - Hall Current Transformers (HCT) for String Current or Total Current Measurement</b>	
<b>General</b>	
Supply Voltage	±12Vdc
Hall CT Ratings	50A, 100A, 300A, 600A, 2000A
Hall CT Maximum Connecting Distance	<30M

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<b>BMS 3G Battery Block Voltage Measurement Kit (BMK)</b>			
<b>General</b>			
Block Voltage Options	2V	6V	12V
Measure Range	1.5 ~ 4V	4.5 ~ 8V	9 ~16 V
Resolution	1mV		2mV
Accuracy	±10mV		
Operating Temperature	0 ~ 40°C		
Input Impedance	≥ 1MΩ		
Transmitting type / Range	RF 2.4G for wireless / 50M Max., ≤30M typical		
Sample Rate	1Hz		
Power Consumption	Maximum 0.5W		
Battery Impedance Measurement Resolution	2 ~ 6V		12V
	0.01mΩ	0.03mΩ	0.03mΩ for below 65Ah Battery 0.1mΩ for above 65Ah Battery