



# KOKII BM7500

12V\*40 BATTERIES FOR UPS

- Monitor every cell for voltage and Internal Resistance
- Max Scan Channel 40
- Online Internal Resistance measurement
- Modular compact design
- High performance, low cost

## Key Functions

### Monitoring Items

- Cell Voltage
- Cell Internal Resistance(IR)
- String Voltage
- String Charge & Discharge Current
- String Ambient Temperature

### Alarm Items

- String Charge Voltage High/Low
- Discharge Current High(Optional)
- Charge Current High(Optional)
- String Over-discharge
- Cell Charge Voltage High/Low
- Cell IR Over Limit
- Cell Over Discharge
- Cell Short Circuit
- Cell Open Circuit

System Model: BM7500-R(IR DETECT)  
BM7500-V(Voltage detect only)

Capacity of the battery: 7Ah-300Ah  
Voltage of the battery: 12V

Recommend Application: 12V batteries of UPS/EPS

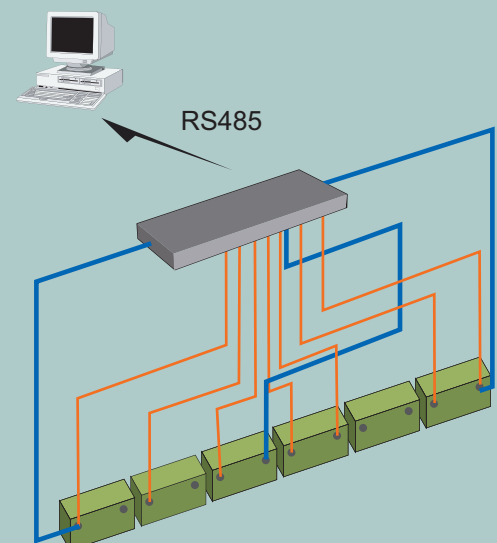
## Features

BM7500 meets the critical requirements for battery monitoring for the important high power UPS/EPS systems. DSP (Digital Signal Processing) technology brings out the accurate online Internal Resistance measurement, even in high ripple situation which is often found in high power UPS.

BM7500 communicates to PC through standard Modbus RTU protocol to Battery Analyzer 3.0 software which provides real-time data chart and stores history trends for analysis.

BM7500 compact design fits the scanning and IR signal generation into the slim 19" standard 1U rack case.

## System Schceme



## Specifications



BM7500

BM7500	
Operating voltage	220VAC
IR signal	10Hz 1A
Isolation Protection	> 5M $\Omega$
Dielectric Strength	50Hz 1500V/min
Leak Current	< 5mA
Grounding	Less than 0.5 $\Omega$
Interface	RS485
Dimension	443 W * 272 D * 42 H (mm)

## Option



Touch panel  
Model: BM7500-GT01



RS485-TCP/IP Converter  
Model: Nport-5130

Functional Specifications	
Cell Voltage	0 ~18VDC
Voltage Accuracy	0.5%
Internal Resistance Range	10 m $\Omega$
Internal Resistance resolution	0.01m $\Omega$
String Voltage	0 ~600VDC
Voltage Accuracy	0.5%
String Current Range	0~200A (Option)
Current Accuracy	0.1% + sensor accuracy
Ambient Temperature Range	5 $^{\circ}$ C-45 $^{\circ}$ C
Temperature Accuracy	$\pm$ 1 $^{\circ}$ C