

Features

- SOC units can monitor the reading data of the battery pack and battery cells for the instantaneous State of Charge
- Applicable for battery pack voltage up to 500VDC
- Data values can be read out and programmed by Computer for remote operations
- Accurate State of Charge reading with the measurement of shunt 500A / 50mV for SOCU-505A and SOCU-505B, SOCU-512A and SOCU-512B for 1200A / 50mV
- 4sets of multi-function relays for the output signal of battery cell
- Battery pack 18 LED Status Indicators on the panel for the indications of the battery cell voltage, battery pack voltage, 4 sets of relay outputs, communication status, state of charge, charge completion



Specifications

Model No.	SOCU-505A	SOCU-505B	SOCU-512A	SOCU-512B
Operating Voltage	10 ~ 35VDC	20 ~ 70VDC	10 ~ 35VDC	20 ~ 70VDC
Battery Pack Voltage	500VDC (Max.)			
Battery Pack Current	500A		1200A	
Shunt	500A / 50mV		1200A / 50mV	
Functions	<ul style="list-style-type: none"> ■ Total battery pack voltage reading ■ Total battery pack current reading ■ Total battery pack power reading in Kilowatts ■ Total battery pack Ampere-hour reading ■ Total battery pack Watt-hour reading ■ Battery pack State of Charge reading as a percentage ■ Selectable low SOC warning and low SOC detection level constants 			
Multi-function Relay Output Contacts	4 Multi-function relay output contacts 7 Output conditions for each relay: <ol style="list-style-type: none"> 1. The battery cell voltage is too low 2. The battery cell voltage is too high 3. The battery pack voltage is too low 4. The battery pack voltage is too high 5. The battery pack is fully charged 6. Warning when SOC of the battery pack is too low 7. Shutdown detection when SOC of the battery pack is too low 			
LED Indicators	Battery cell undervoltage / overvoltage, Battery pack undervoltage / overvoltage, Battery pack fully charged, Low SOC warning of battery pack, Shutdown detection for low SOC of battery pack, Charging / Discharging status, MODBUS protocol communication, Multi-function relay status			
Communication Interface	RS485 / MODBUS protocol			
Dimension (H x W x D) mm	61 x 178 x 130			
Weight (Kgs)	0.73			