

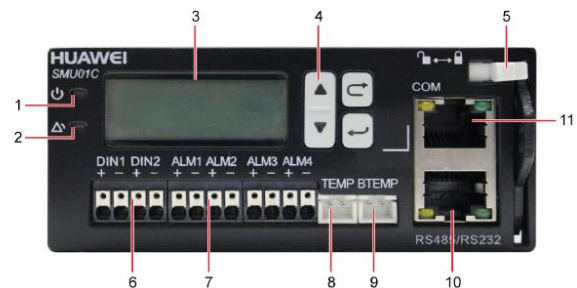
Site Monitoring Unit

SMU01C



Introduction

SMU01C is a monitoring unit for site and power. It supports the monitoring management of HUAWEI embedded power systems. It can monitor and manage telecom power system, and provides site monitoring function. LCD screen and keyboard are equipped in the unit to realize man-machine interaction. It has a serial communication port to realize local and remote monitoring. It has sensor ports to monitor the ambient condition.



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|-------------------------------------|-------------------------------------|
| (1) Running indicator | (2) Major alarm indicator |
| (3) LCD | (4) Four buttons |
| (5) Locking latch | (6) DIN port |
| (7) Alarm port | (8) Ambient temperature sensor port |
| (9) Battery temperature sensor port | (10) RS485/RS232 port |
| (11) COM port | |

Feature

- Performs comprehensive power management and intelligent battery management
- Provides 4 dry contact outputs
- Provides 2 Boolean value inputs
- Provides ports battery temperature sensor, ambient temperature sensor
- Supports English and Chinese as displayed language
- Supports hot plug

LCD function

- View active alarms and historical alarms
- View the running status of the system, such as the system voltage, load current, and battery testing records
- Set system parameters, communications parameters, power supply unit(PSU) parameters and battery management parameters
- Control the system status, such as choosing boost charge or floating charge and PSU dormancy charge
- Set parameters quickly, such as the battery string parameters, date, time, and communication addresses

Function

Detection	Rectifier management
AC input voltage	Rectifier operating information
DC output voltage	Rectifier power-on/off control
Load current	Rectifier output voltage limiting
Battery current	Rectifier output current limiting
Battery temperatures	Alarm
Ambient temperatures	Main AC input fault/over-voltage/under-voltage
Battery management	DC output over-voltage/under-voltage
Battery boost charge	Battery over-temperature/under-temperature
Battery floating charge	Ambient over-temperature/under-temperature
Battery tests	Ambient over-humidity/under-humidity
Battery current limiting	Water inrush/smoke alarm
Battery temperature compensation	Battery discharge
Battery overtemperature protection	Battery charge over-current
Battery low voltage disconnection(BLVD) protection	Load fuse trip
Battery imbalance detection	Battery loop trip
Battery capacity detection	Rectifier fault
Energy saving management	Battery disconnection
Intelligent rectifier module hibernation	Load disconnection

Note: Whether all the functions of controller can be used depends on the power system structure and configuration.

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