

Site Monitoring Unit



SMU02C

Introduction

SMU02C is a type of high-end monitoring unit for site and power. 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, a CAN port and an Ethernet port to realize local and remote monitoring. SMU02C supports the monitoring management of HUAWEI's power system series, including embedded power, indoor power and outdoor power system.



Applications

Product Description

The SMU02C controller is a powerful and cost-effective module, developed for monitoring and controlling a wide range of HUAWEI DC power system.

CAN Bus Communication

SMU02C utilizes a digital interface architecture(CAN bus communication). It allows the unit to support dedicated communication channel with each rectifier, providing great flexibility for increased number of functions.

Modular Design

The SMU02C is extremely flexible in its expandability. Additional units connected to the CAN bus can be added to provide extended functionality. Accordingly, system components can be set up and upgraded to meet the demand of special tailor-made power solution.

Features

- Performs comprehensive power management and battery management
- Grid quality detection
- Intelligent temperature control
- Support time, voltage, capacity disconnecting protection and LLVD1, LLVD2, BLVD
- Supports north monitoring serial ports and FE. FE interface supports SNMP and allows safe access to WEB
- Supports electronic label function
- Supports remote software upgrade
- Supports downloading historical logs and statistics
- Equipped with UIM to support environmental management and provide AI, DI, DO ports
- Equipped with NIM to support wireless communication and intelligent management features
- Supports multiple languages, such as English, Chinese, Turkish, Spanish, Portuguese and German
- Supports hot plug

Specifications

Detection	Alarm
AC input voltage	Internal fault
AC input current	AC phase failure
AC frequency	AC/DC over voltage/under voltage, AC outage
DC output voltage	Load/battery fuse break
Total load current	Battery discharging
Total battery current	Load low voltage disconnection (LLVD1, LLVD2)
Battery temperature	Battery low voltage disconnection (BLVD)
Ambient temperature & humidity	Battery temperature high/very high/low/very low
	Rectifier failure, rectifier communication failure
Rectifier Management	Battery Management
Rectifier operation information	Battery manual and automatic control
Rectifier power-on/off control	Battery boost and floating charge
Rectifier output voltage control	Battery test
Rectifier output current control	Battery current limiting
Rectifier overvoltage protection	Battery temperature compensation
Sequential rectifier startup	Battery high temperature protection
Rectifier dormancy management	Multi-mode and multi-level disconnecting protection
	Battery imbalance detection
	Battery capacity detection and report/backup time calculation

Specifications

Product Type	SMU02C
General Parameters	Dimension (W × D × H)
	106.5 mm × 209 mm × 41.5 mm
	Weight
	≤1.5 kg
General Parameters	Input Voltage
	36~72V dc
General Parameters	Power Consumption
	≤ 10 W

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

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