

Site Monitoring Unit



SMUo2C

Introduction

SMUo2C 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. SMUo2C supports the monitoring management of HUAWEI's power system series, including embedded power, indoor power and outdoor power system.



Applications

Product Description

The SMUo2C controller is a powerful and cost-effective module, developed for monitoring and controlling a wide range of HUAWEI DC power system.

CAN Bus Communication

SMUo2C 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 SMUo2C 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
	Input Voltage	36~72V dc
	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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