



Leading 5G Innovations

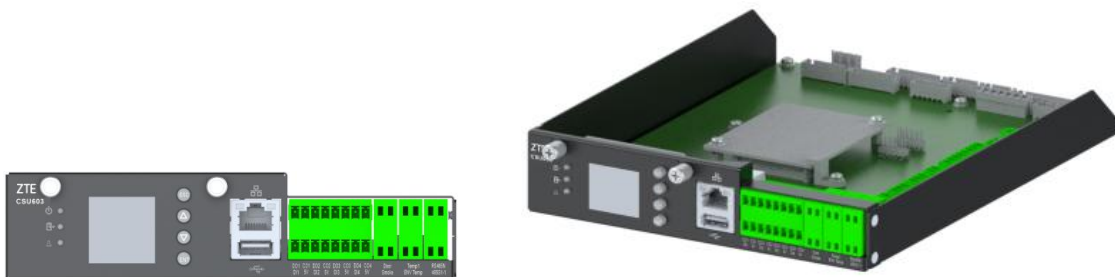
CSU603A Centralized System Management Unit

ZTE



Overview

The Centralized System Management Unit CSU603A is an advanced digital controlling and monitoring management unit for telecom power system. This management unit can manage ZTE super high efficiency rectifier and solar PU. Through its rich data interfaces and powerful data processing function, it can manage the grid power, solar power, DG, battery, security and site environment conditions in real time to ensure the stable power supply and site operation.



Centralized System Management Unit – CSU603A

Functions & Highlights

- Realizes the integrated energy management of battery, grid power, solar power, DG
- Manages intelligent SmartLi for flexible applications, including, LiFePO4 and VRLA battery hybrid use, battery anti-theft and voltage boosting for remote power supply
- Provides multiple energy-saving control policies to automatically control the operation modules of the system and save energy
- Manages the rectifier in an elaborate way, allows rectifiers to sleep automatically for energy saving, and supports the remote upgrade of rectifiers
- Collects operating data in real-time and monitors the working status of the DC power and hybrid power system
- Reports data and receives instructions from the network management center to realize the remote monitoring of the DC power and hybrid power system
- Manages batteries in an elaborate way, and provides multiple levels of under-voltage protection and charge/discharge management



- Supports parameter setting, exporting history records, and upgrading program in batch through a USB flash disk
- Supports Web function, with the network connection between a PC and the CSU, the Chrome browser can be used to access the CSU for remote operating

Technical Specification

Parameters	Description
Working Conditions	
Operation temperature	-40°C to 70°C
Storage temperature	-40°C to 85°C
Relative humidity	5%~95%
Cooling solution	Natural cooling
Altitude	≤3000m is recommended
Physical Characteristics	
CSU Dimension	40mm *170.6mm * 244.5mm (H * W * D)
CSU Weight	720g
CSU Power Loss	Less than 8W
Communication Interface	RS232/RS485/FE/USB support CAN bus,SNMP protocol,USB port,graphical monitor/ LCD screen
Environment Interface	8 interfaces: 4 for battery/ambient temperature(configurable), 1 for door magnetic, 1 for humidity(optional), 1 for flooding(optional) and 1 for smoke(optional)
Relays (Dry Contacts) Interface	8 for output relays, 8 for input relays
History data save capacity	100000items
Others	



Parameters	Description
Alarms monitoring	<ul style="list-style-type: none">- Loss of the input AC network by phases;- Rectifier failure;- Lack of rectifiers;- High temperature;- Low battery voltage;- Disconnection of batteries on a low voltage.- Changing the input voltage- No input voltage- Ambient temperature
Front control panel with LCD&graphic display.	<ul style="list-style-type: none">- Output voltage- Load current control- State of rectifiers- Battery voltage- Battery current- Disconnection of batteries at low voltage- Battery charging current limitation- Battery test manual and automatic- Acoustic and light signaling of emergency conditions of the source
Temperature compensation for battery	Enable, 3.0 mV/Cell/ ° C
Soft start Rectifier module	Enable
Safety Certification	IEC 62368
EMS	IEC 61000
MTBF	$\geq 5 \times 10^5$ h



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