

ENERGY COORDINATION AND CONTROL TERMINAL

HXEM100.R100

The Energy Coordination and Control Terminal is an intelligent device used for energy coordination and management. It utilizes the built-in Energy Management System (EMS) to achieve coordinated management of microgrid components—such as photovoltaic inverters, power conversion system (PCS), smart meters, charging stations, smart switches, and generator controllers.

Comprehensive Monitoring Functions

- Provides platform monitoring, equipment monitoring and station monitoring
- Achieving all-round tracking of the operating status to ensure the efficient and stable operation of the system

Data & Statistical Analysis

- Supports functions like electricity price management, data query and statistical analysis, covering multiple areas such as energy storage, photovoltaic and energy consumption.
- Supports data report output at all levels to optimize decisions.

Precise Alarm Push

- Through system operation monitoring and fault alarm configuration, precisely respond to the contents of alarm push to improve the safety and reliability of system operation.

Automatic Control of Strategies

- Capable of automatically controlling and executing strategies based on the current strategy parameters, timely controlling the system execution.
- Supports the multi-strategy configuration function to improve the response efficiency and economy of the system.



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Model	HXEM100.R100
Computation	
CPU	Cortex-A554-core 1.6GHz
Memory	DDR4-2GB
Storage	Standard 8 GB , expandable to 128G
Analog Sampling	External data acquisition device (optional)
Sampling Channels	6 channels (3U+3I)
Sample Range	AC 3*100V - 3*300V 5(6)A
Measurement Accuracy	Class 0.5S
Remote Signaling	
Channels	4 channels
Loop Voltage	DC 24V
Jitter Suppression	1ms-60s, adjustable in 1ms steps
Remote Control	
Capacity	Weak breaking capacity : 5A/250VAC
Channels	Weak breaking capability : 4
Output Method	Sealed relay passive contact output
Output Pulse Width	0.01s-60s adjustable
DC sampling	
Channels	4 channels
Loop Voltage	0-10V
Measurement Accuracy	LSB size 3mV
Acquisition Interface RS485	
Channels	8 channels
Load Capability	Single channel supports 32 slave devices
Communication Rate	1200bps - 115200bps
Communication Interface CAN	
Channels	2 channels
Communication Rate	CAN 2.0
Maintenance Interface RS232	
Channels	1 channels
Communication Rate	115200bps
Maintenance Interface USB	
Channels	1 channels
Communication Rate	USB2.0
Maintenance Interface Ethernet	
Channels	2 channels
Communication Parameters	1000/100/10 M Ethernet (adaptive)
DC output	
Channels	1 channels
Rated Voltage	DC 24V
Output power	<4.8W
Acquisition	
Rated Voltage	DC 12 - 36V
Power Consumption	<20W
Dimensions(W*H*D)	262mm×155.5mm×68mm
Weight	2kg
Enclosure Material	Metal
Protection	IP30(Equipped with waterproof casing:IP65)