LIVOLTEK

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Design and specifications are subject to change without notice

ENERGY COORDINATION AND CONTROL TERMINAL

HXEM 100

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.



ENERGY COORDINATION AND CONTROL TERMINAL

PowerHive

HXEM 100

Model	HXEM 100
Computation	
CPU	Cortex-A554-core 1.6GHz
Memory	DDR4-2GB
Storage	Standard 8 GB , expandableto128G
Analog Sampling	Externaldata acquisition devic（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 in1mssteps
Remote Control	
Capacity	Weak breaking capacity : 5A/250VAC
Channels	Weak breaking capability : 4
Output Method	Sealed relay passive contactoutput
Output Pulse Width	0.01s-60s adjustable
DC sampling	
Channels	4 channels
LoopVoltage	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)	263mm×155.8mm×60.6mm
Weight	2kg
Enclosure Material	Metal
Protection	IP30(Equipped with waterproof casing:IP65)