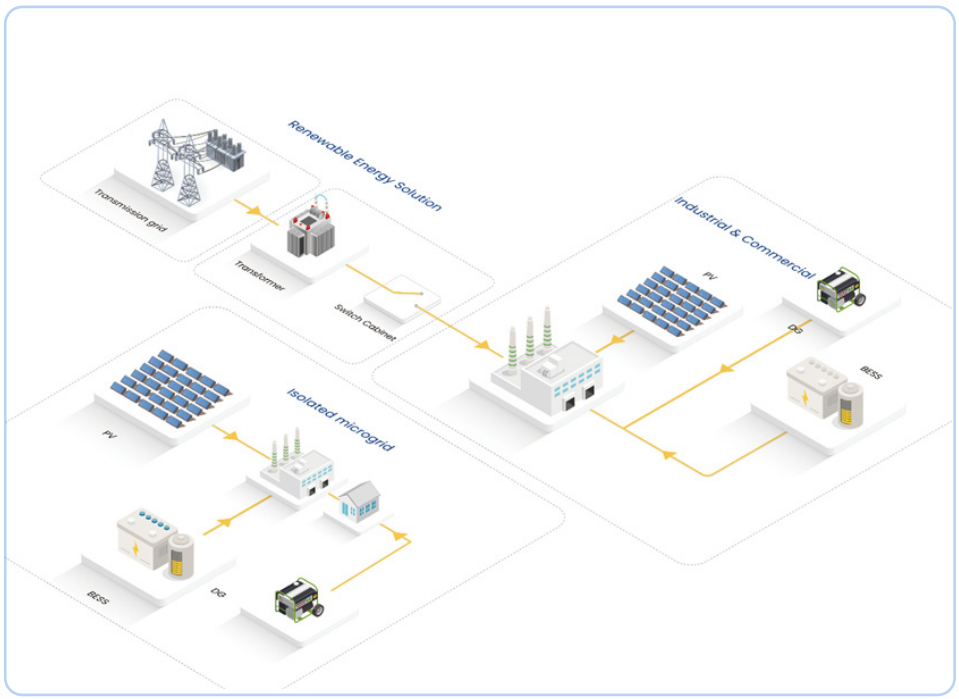
HXIEMS-2000

Energy Coordinationand Control Terminal

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 svstem (PCS), smart meters, charging stations, smart switches, and-generator controllers.

Typical Application Scenarios



On-grid microgrid

- Solar+BESS system

Off-grid automated control

- Solar+BESS+DG system
- Solar+BESS system
- Solar+DG system

Off-grid automated control

- Solar+BESS system
- Solar+DG system
- Solar+BESS+DG system

Typical Typical Functions:

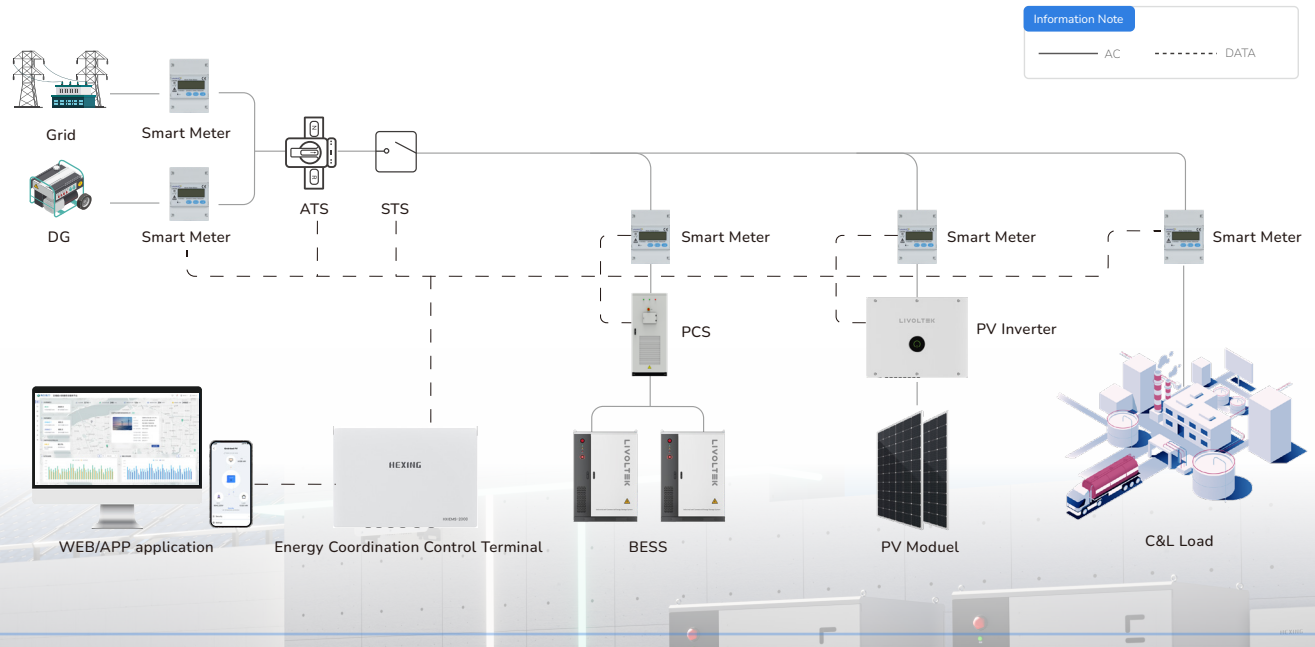
Grid-tied automated control

- Peak shaving
- PV self-use
- Zero-feed
- Demand control

Off-grid automated control

- Island operation

Typical Application Solutions:



Specifications

Model	HXIEMS-2000	
Computation		
CPU	Cortex-A554-core 1.5GHz	
Memory	DDR4-1GB	
Storage	Standard 8 Gb , expandableto128G	
Analog Sampling	(Optional) Externaldata acquisition devic	
Sampling Channels	12 channels（6U+6I）	
Measurement Accuracy	Class 0.5S	
Remote Signaling		
Channels	16channels	
LoopVoltage	DC24V	
Jitter Suppression	1ms-60s , adjustable in1mssteps	
Remote Control		
Capacity	Strong breaking capacity : 16A/250VAC	Weakbreaking capacity : 5A/250VAC
Channels	Strong breaking capacity : 2	
	Weak breaking capability : 6	
Output Method	Sealed relay passive contactoutput	
Output Pulse Width	0.01s-60s adjustable	
Acquisition Interface RS485		
Channels	8channels	
Load Capability	Single channel supports 32 slave devices	
Communication Rate	1200bps~115200bps	
Communication Interface CAN		
Channels	2channels	
Communication Rate	CAN2.0	
Maintenance Interface RS232		
Channels	1channels	
Communication Rate	9600bps、115200bps	
Maintenance Interface USB		
Channels	1	
Communication Rate	USB2.0	
Maintenance Interface COBO		
Channels	2 Channels	
Communication Parameters	1.25G fiber (optional)/1000/100/10 M Ethernet (adaptive)	
Maintenance Interface Ethernet		
Channels	2 Channels	
Communication Parameters	100M/10MEthernet adaptive	
Acquisition	Supported	
Acquisition	Supported	
Acquisition		
Rated Voltage	DC18V-DC36V	
Power Consumption	＜30W	
Acquisition		
Dimensions	600mm×410mm×202.5	
Weight	16kg	
Enclosure Material	Metal	
Protection	IP65	