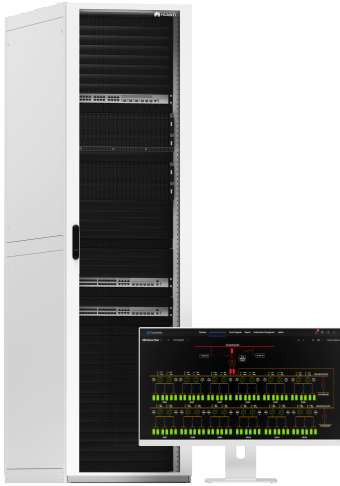


SEMS2000

Smart Energy Management System (Preliminary)



Comprehensive management

Multi-level refined management
Second-level performance curve drawing



Efficient collaboration

Power generation plan curve
PV&ESS synergy optimization



Intelligent diagnosis

Full-link multi-dimensional plant diagnosis
Cell/module fault pre-warning



Secure and reliable

IEC62443 certification.
99.99% availability

Technical Specifications

Parameter Description			
EMS cabinet			
W x D x H	600mm×2200mm×1200mm (47u)	Weight	Net weight approx. 210 kg, full configuration approx. 600 kg
Temperature	5 - 30°C	Power Supply	200V~240V, 50/60Hz
Protection Grade	IP20	Altitude	≤4000m
Server			
Model	TaiShan 200 (2280)	Hard Disk	8*1.92T SATA SSD
W x D x H	482.6mm*790mm*88.9mm. (2U)	Fans	Four hot-swappable fans in N+1 redundancy
CPU	2*Kunpeng 920 - 48core @2.6GHz	External Interface	8*GE
Database	GaussDB	Power supply	2 x 900 W, 1+1 Redundancy
Operating system	EulerOS	Net weight	Approx. 30 kg
Memory	4*64G	Certification	CCC/CE, etc.
Switches			
Model	CloudEngine S5735-S24ST4XE-V2	CloudEngine S5735-S24T4XE-V2	
W x D x H	420mm*442mm*43.6mm (1U)	420mm*442mm*43.6mm (1U)	
Net Weight	4.95 kg	4.34 kg	
Memory	2GB	2GB	
Power Supply	2*180W, 1+1 redundancy	2*180W, 1+1 redundancy	
Interface	Eight gigabit electrical ports, four 10GE optical ports, and 24 gigabit optical ports	24 GE electrical ports and 4 10GE optical ports	
Rated Voltage	100V AC~240V AC; 50/60Hz	100V AC~240V AC; 50/60Hz	
Certification	CE/VCCI, etc.	CE/VCCI, etc.	

*EMS will be available in Q1.25

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