

Energy Management System

Energy efficiency & Intelligent management

GWh | 10,000,000+

Storage Capacity

Number of connection points

- Seamlessly Connected, Smartly Managed
- Safe and reliable, with hot standby redundancy
- Smart alerts, self-healing failures
- Protocol-Compatible, Universally Accessible
- Absorb Green Power, Save Energy, Cut Carbon



Certifications



Product Introduction

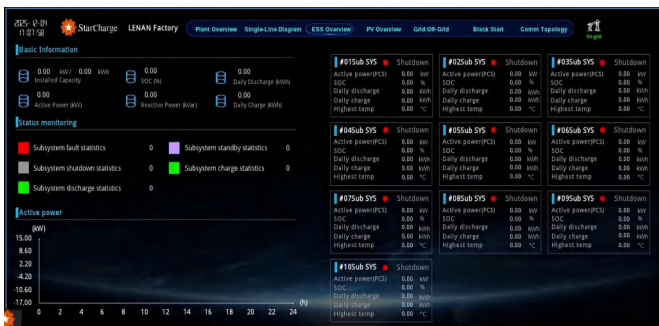
The energy system's brain — a cross-domain platform integrating wind, solar, storage, EV chargers, and diesel generators for centralized control and stable operation.

Application Scenarios

Wind | Solar | Storage | Thermal-Storage Hybrid
Commercial | Industrial Parks | SMEs | Resort
Data Center | Island | Mine | Farm | Key Port | Hospital

Product Features

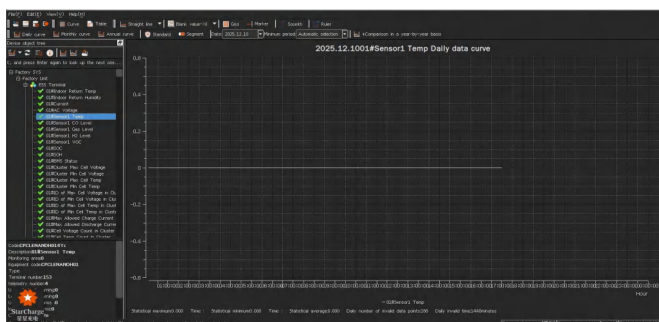
1 Real-time monitoring



2 Intelligent Alarm

No.	Event Type	Event Time	Event Describe	Current Value	Object Group	Alarm
12	Process running	2026.01.27-10:01:17.639	Node star5000 became the primary SCADA server	0.00	No	No
12	Process running	2026.01.27-10:01:17.639	Node star5000 became the primary FILE server	0.00	No	No
19	Process running	2026.01.27-10:01:16.574	Node star5000 became the primary SCADA server	0.00	No	No
19	Process running	2026.01.27-10:01:16.574	Node star5000 became the primary FILE server	0.00	No	No
19	Process running	2026.01.27-10:01:15.490	Node star5000 became the primary YK server	0.00	No	No
19	Process running	2026.01.27-10:01:14.954	Node star5000 became the primary DB server	0.00	No	No
17	Process running	2026.01.27-10:01:14.455	star5000Host StatusStopped-Primary	1.00	Yes	Yes
16	Process running	2026.01.27-10:01:13.941	Node star5000 became the primary FILE server	0.00	No	No
17	Process running	2026.01.27-10:01:13.419	Node star5000 became the primary YK server	0.00	No	No
14	Process running	2026.01.27-10:01:12.964	Node star5000 became the primary DB server	0.00	No	No
13	Server running	2026.01.27-10:01:10.856	star5000Host StatusStopped-Primary	1.00	Yes	Yes
12	Server running	2026.01.27-10:01:10.856	Node star5000 became the primary FILE server	0.00	No	No
11	Server running	2026.01.27-10:01:10.856	Node star5000 became the primary YK server	0.00	No	No
10	System running	2026.01.27-10:01:10.856	star5000Host StatusStopped-Primary	1.00	Yes	Yes
9	System running	2026.01.27-10:01:10.856	1 group star5000 Network A status Abnormal ->Normal	3.00	Yes	Yes
8	Server running	2026.01.27-10:01:10.856	Node star5000 became the primary FEP server	0.00	No	No
7	Process running	2026.01.27-10:00:22.933	Node star5000 became the primary SCADA server	0.00	No	No
6	Process running	2026.01.27-10:00:22.933	Node star5000 became the primary YK server	0.00	No	No
5	Process running	2026.01.27-10:00:22.189	Node star5000 became the primary DB server	0.00	No	No
4	Process running	2026.01.27-10:00:21.871	Node star5000 became the primary DB server	0.00	No	No
3	Process running	2026.01.27-10:00:21.240	star5000Host StatusStopped-Primary	1.00	Yes	Yes

3 Historical Data Query



4 Statistical Reports

Report Type	PK Single Section Report	New Type	Start Time	End Time	Query	Export	Print
Time	P11 Section (DB)	P12 Section (DB)	P13 Section (DB)	P14 Section (DB)	P15 Section (DB)	P16 Section (DB)	P17
2025-01-27 00:00:00	0	0	0	0	0	0	0
2025-01-27 01:00:00	0	0	0	0	0	0	0
2025-01-27 02:00:00	0	0	0	0	0	0	0
2025-01-27 03:00:00	0	0	0	0	0	0	0
2025-01-27 04:00:00	0	0	0	0	0	0	0
2025-01-27 05:00:00	0	0	0	0	0	0	0
2025-01-27 06:00:00	0	0	0	0	0	0	0
2025-01-27 07:00:00	0	0	0	0	0	0	0
2025-01-27 08:00:00	0	0	0	0	0	0	0
2025-01-27 09:00:00	0	0	0	0	0	0	0
2025-01-27 10:00:00	0	0	0	0	0	0	0
2025-01-27 11:00:00	0	0	0	0	0	0	0
2025-01-27 12:00:00	0	0	0	0	0	0	0
2025-01-27 13:00:00	0	0	0	0	0	0	0
2025-01-27 14:00:00	0	0	0	0	0	0	0
2025-01-27 15:00:00	0	0	0	0	0	0	0
2025-01-27 16:00:00	0	0	0	0	0	0	0
2025-01-27 17:00:00	0	0	0	0	0	0	0
2025-01-27 18:00:00	0	0	0	0	0	0	0
2025-01-27 19:00:00	0	0	0	0	0	0	0
2025-01-27 20:00:00	0	0	0	0	0	0	0
2025-01-27 21:00:00	0	0	0	0	0	0	0
2025-01-27 22:00:00	0	0	0	0	0	0	0
2025-01-27 23:00:00	0	0	0	0	0	0	0
2025-01-27 24:00:00	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0

System Specifications

Protocol Support	IEC104 / Modbus TCP / Modbus RTU / IEC61850 / MQTT
Storage Capacity Support	> 2GWh
Total Data Points	> 10000000
Digital Input Response Time	< 2s
Analog Input Response Time	< 3s
Control Command Response Time	< 1s
Alarm Event Response Time	< 2s
Screen Refresh Interval	< 2s
Historical Curve Sampling Interval	1min、 5min、 15min、 30min(User-configurable)
Data Retention Period	≥ 1year
Fault Recall -- Pre-Fault	1min
Fault Recall -- Post-Fault	2min

Success Stories

Wind-Solar-Storage Plants



ESS: 20MWh
Annual Throughput Energy: 13.2 million kWh

On-Off Microgrids



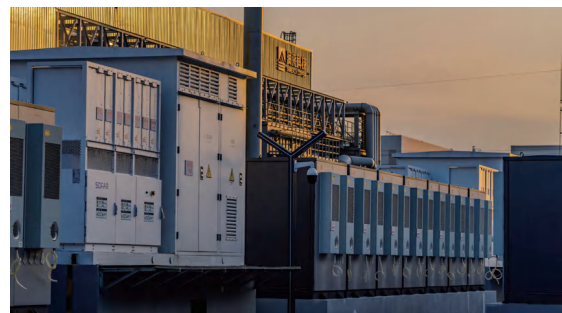
PV: 2.9MWp | ESS: 4.09MWh | DG: 3.175MW
Multi-energy hybrid, grid/off-grid switch

Solar-Storage-EV Microgrids



PV: 251kW | ESS: 430kWh | EVSE: 349kW
Unified PV-Storage-Charging Management

C&I Microgrids



ESS: 35MW/70MWh
Monitoring | Peak Shaving | Revenue Tracking