

A vibrant, futuristic cityscape at night, featuring a dense cluster of illuminated skyscrapers, including the Eiffel Tower and the Leaning Tower of Pisa. The scene is overlaid with glowing blue and white lines representing energy flow and data. A large, semi-transparent blue banner at the bottom contains the product name. The CHNT logo is prominently displayed on one of the central buildings.

CPS ES-125kW/261kWh-EU ESS Solution

Professional PV & ESS Product Manufacturer

C&I ESS Solution



1 Solution Introduction

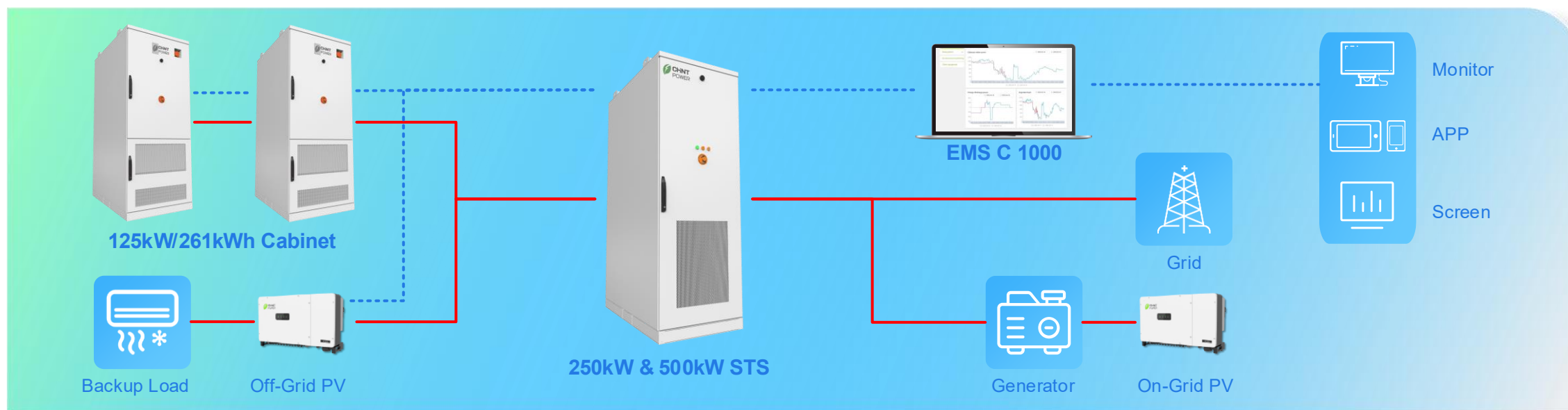
2 CPS ES-125kW/261kWh-EU

3 CPS STS 250K & 500K

4 CPS EMS C1000

5 Chint Group & Chint Power System

Solution Introduction - Components



CPS ES-125kW/261kWh

- ◆ New 125kW/261kWh System
- ◆ 3P4W with 110% Unbalance Output
- ◆ AIO for Simple & Reliable Installation



CPS STS 250K & 500K

- ◆ 250kW 500kW Optional
- ◆ 20ms On/Off Grid Switch
- ◆ AC Couple with Inverters & Generators



CPS EMS C1000

- ◆ Integrated Energy Optimization Expert
- ◆ Revenue Agent for Time of Use, Self Consumption, VPP, Demand Charge etc.

Solution Introduction - Components



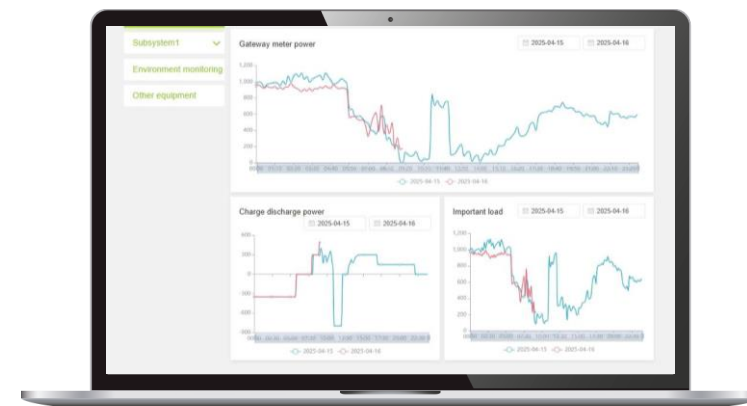
CPS ES-125kW/261kWh

- ◆ New 125kW/261kWh System
- ◆ 3P4W with 110% Unbalance Output
- ◆ AIO for Simple & Reliable Installation



CPS STS 250K & 500K

- ◆ 250kW 500kW Optional
- ◆ 20ms On/Off Grid Switch
- ◆ AC Couple with Inverters & Generators



CPS EMS C1000

- ◆ Integrated Energy Optimization Expert
- ◆ Revenue Agent for Time of Use, Self Consumption, VPP, Demand Charge etc.

Solution Introduction - Certification



PCS Certification	IEC 61000 IEC 62109 IEC 62477	IEC 61727 IEC 62116	Spain	EN50549	Poland	Germany	Italy
	√	√	√	2025/5/15	2025/6/30	2025/5/30	2025/5/30

ESS Certification	IEC 62619	IEC 63056	IEC/EN 61000-2/4	IEC 62477-1	STS Certification	IEC 61000
	√	2025/4/30	2025/5/14	2025/5/14		2025/6/30

	Earliest Shipping Time from Shanghai (with Forecast)	Earliest Shipping Time from Shanghai (without Forecast)	Note
CPS ES-125kW/261kWh-EU	2025/6/15	2025/7/30	Shipment to EU usually cost 60~75 days
CPS STS 250K & 500K	2025/7/15	2025/8/30	

C&I ESS Solution



1 Solution Introduction

2 CPS ES-125kW/261kWh-EU

3 CPS STS 250K & 500K

4 CPS EMS C1000

5 Chint Group & Chint Power System

CPS ES-125kW/261kWh-EU - Datasheet



CPS ES-125kW/261kWh

Cell Capacity	314Ah
Group Form	1P260S
Rated Capacity	261kWh
Rated Power	125kW
Max. Output Single Phase Power	46kW
AC output	400V, 3P4W&3P3W Optional
IP Rating	IP55
Corrosion Resistance	C3
Dimensions (W * D * H)	1006mm*1373mm*2423mm

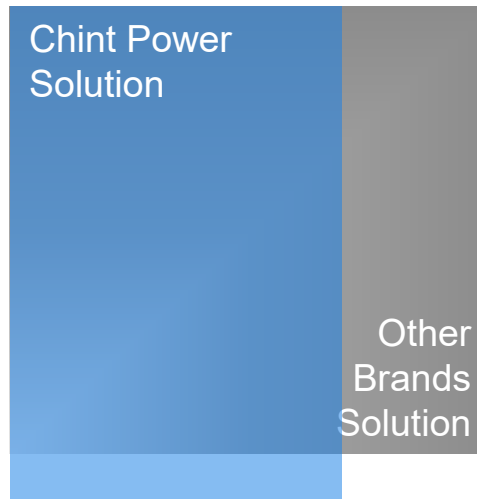


CPS ES-125kW/261kWh-EU - Features

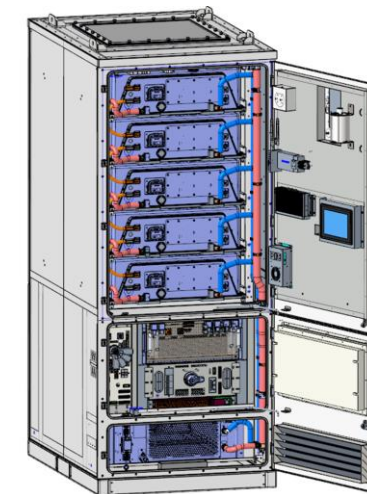


AIO Design and Production

- Complete the internal COM and power cables within the factory
 - Easier and faster on - site work
 - Better quality with skilled workers and management system
- Reduce the floor area by 28~32%
 - Meet the complex installation scenarios
 - More flexible location, shorten the length of AC cables



Floor Area Reduced by 30%



AIO Construction within Factory

Brands	Area(m ²)	Power(kW/m ²)	Capacity(kWh/m ²)
H	2.07	48.3	103.9
Chint Power	1.40	89.3	186.4
S	1.95	64.1	133.8

CPS ES-125kW/261kWh-EU - Features



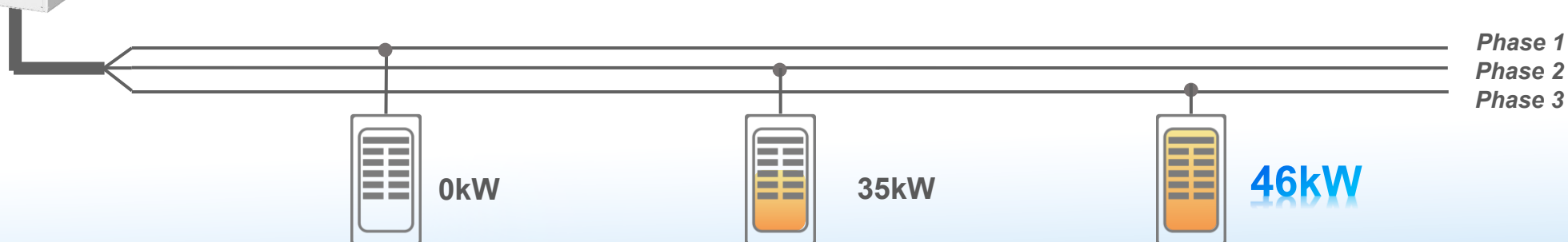
110% Unbalance Output

- Up to 46kW unbalance single phase output
 - Optimized for C&I power supply system with unbalance load
 - Improve the ability for single - phase peak loads in grid outage

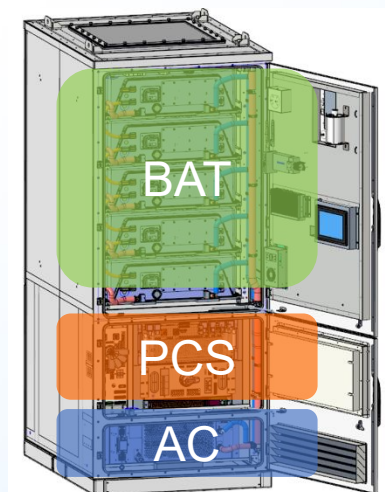
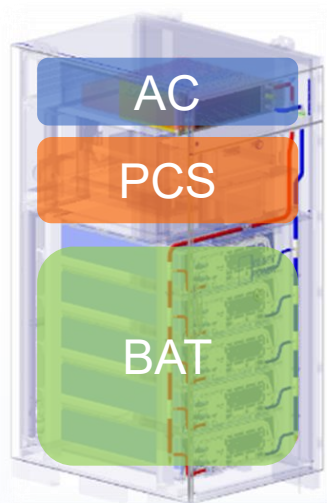


3P4W & 3P3W Optional

- Suitable for old buildings without a neutral wire
 - Reduce electricity bills and improve PV revenue
 - Backup and unbalanced loads are unavailable

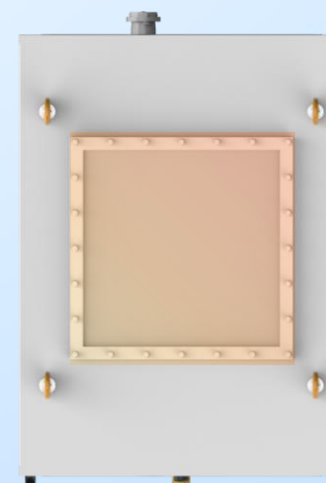
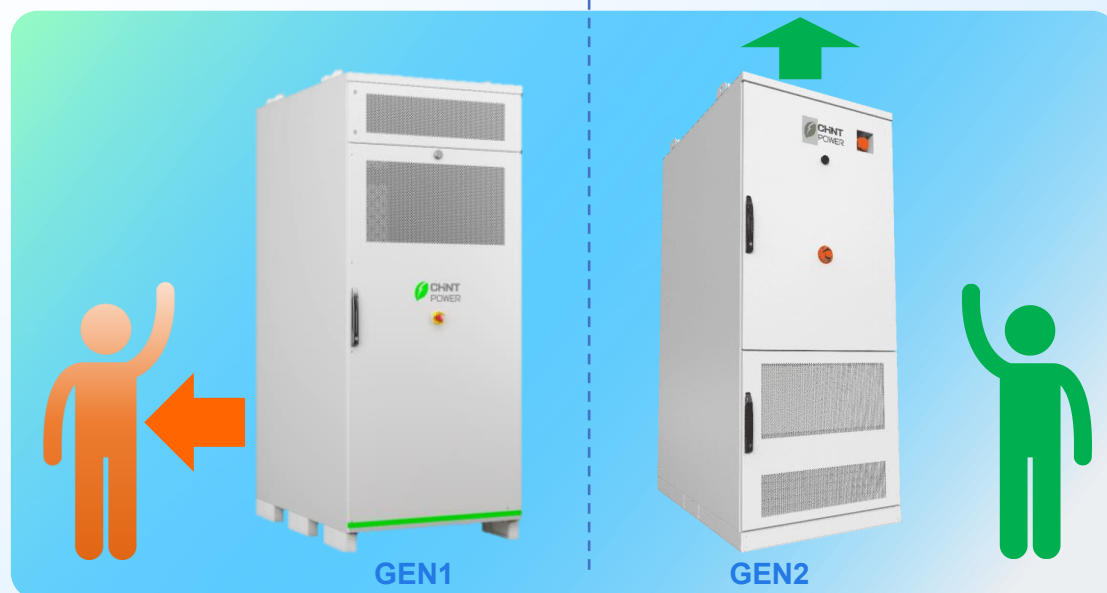


CPS ES-125kW/261kWh-EU - Features

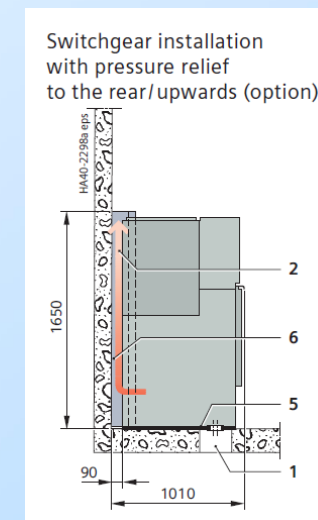


Upward Relief

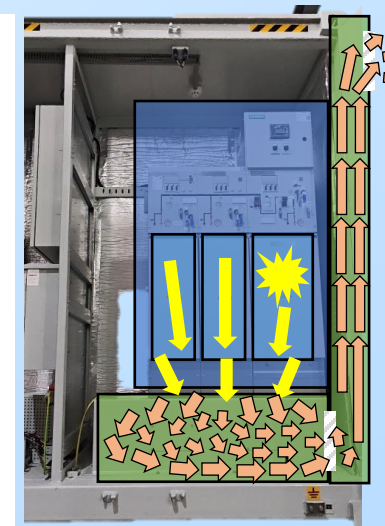
- Direct the force away from personnel and equipment on the ground
 - Reduce the risk of injury and damage to workers & assets
 - Quite common in the design of products like switchgear



Upward Pressure Relief



Pressure Relief in MV Switchgear



C&I ESS Solution



1 Solution Introduction

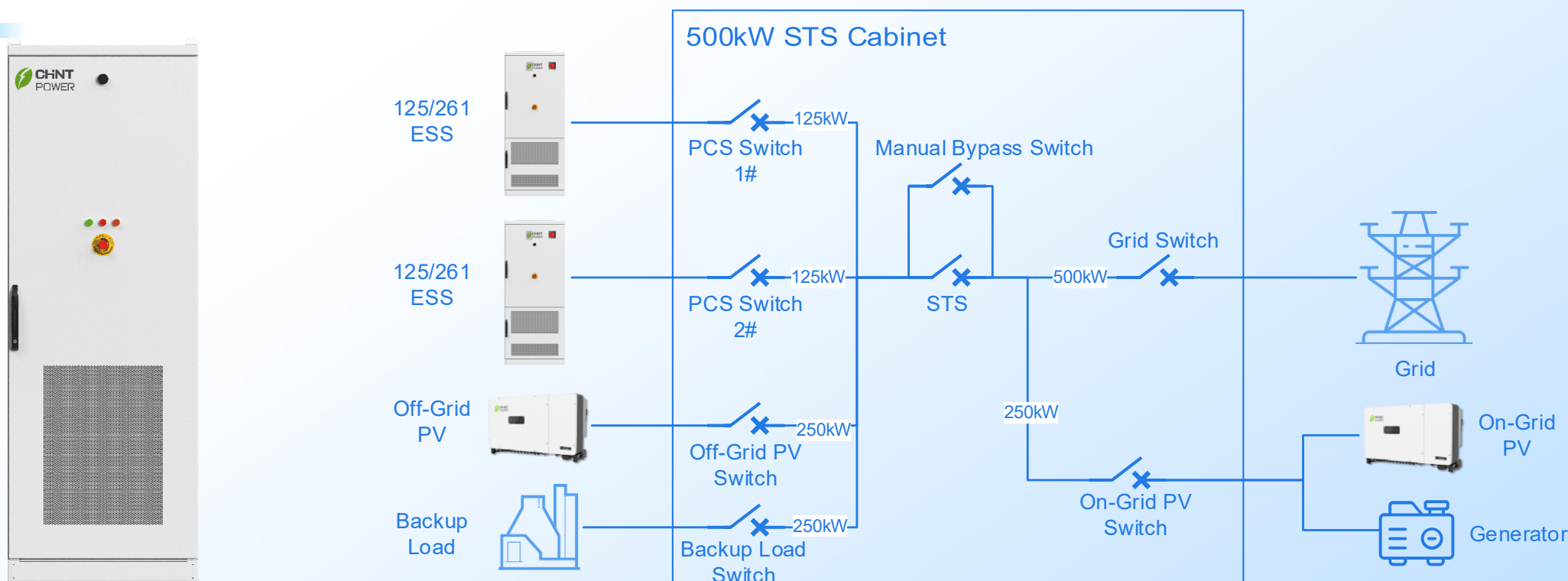
2 CPS ES-125kW/261kWh-EU

3 CPS STS 250K & 500K

4 CPS EMS C1000

5 Chint Group & Chint Power System

CPS STS 250K & 500K - Datasheet



	CPS STS 250K	CPS STS 500K
Max. Grid Power	250kW	500kW
Max.Gen or On-Grid PV Power	125kW	250kW
Max. Backup Load Power & Off-Grid PV Power	125kW	250kW
Max. ESS Power	125kW	250kW
On/Off Grid Switch time	<20ms	
IP Rating	IP54	
Corrosion resistance	C3	
Dimensions (W * D * H)	850mm*1370mm*2400mm	

CPS STS 250K & 500K - Features



Resi-Level Backup Switch

- On/off Grid Switch Time <20ms
 - Protect the stable and reliable operation of critical loads
- Up to 250kW load with PV & ESS



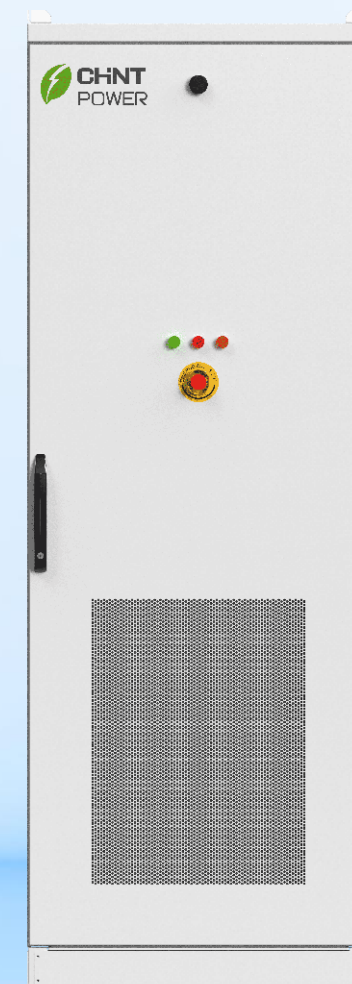
Generator in Off-Grid

- Up to 250kW generator input
 - Used for complex and long - term power outage threats
 - Smart generator control strategy to save fuel costs



AC Couple with PV System

- Compatible with on&off grid scenarios
 - Maximize PV generation with self consumption
 - Extend backup time with off-grid PV system



C&I ESS Solution



1 Solution Introduction

2 CPS ES-125kW/261kWh-EU

3 CPS STS 250K & 500K

4 CPS EMS C1000

5 Chint Group & Chint Power System

CPS EMS C1000



Site Name/Gateway Sn/Inverter Sn

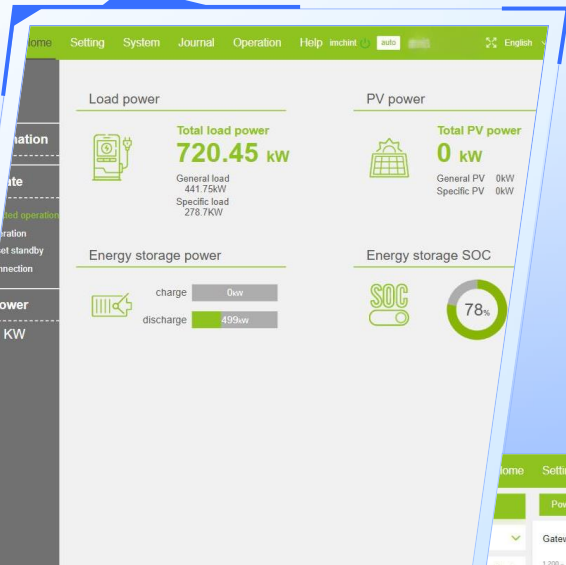
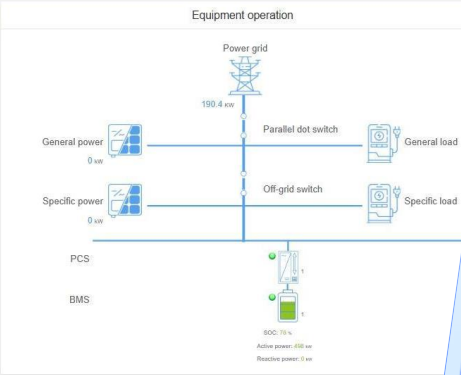
Search by site name

Site name	Capacity	Load Power	Photovoltaic Power	Grid Power	Charge/Discharge Power	SOC
	261 kWp	0kW	0kW	0kW	0kW	0%
	261 kWp	0kW	0kW	0kW	0kW	38.5%
	261 kWp	0kW	0kW	0kW	0kW	81.5%
	215 kWp	7.9kW	0kW	2.9kW	0kW	81%
	860 kWp	677.5kW	0kW	677.5kW	0kW	9%
	860 kWp	930.48kW	0kW	530.88kW	399.6kW	1%
	10000 kWp	4840 kW	0kW	5304kW	-360.8kW	0%
	5000 kWp	5238kW	0kW	5238kW	0kW	0%
	2200 kWp	1014.4kW	0kW	715kW	299kW	0%
	0 kWp	37.98kW	12.8kW	10kW	15.7kW	0%

Total 11 10/page 1 2 3 Go to 1

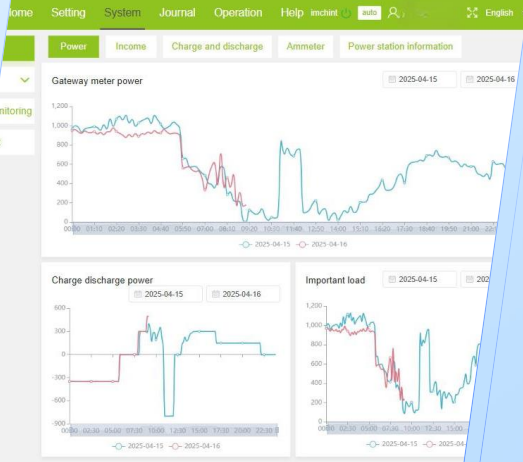
Project List

System Topology

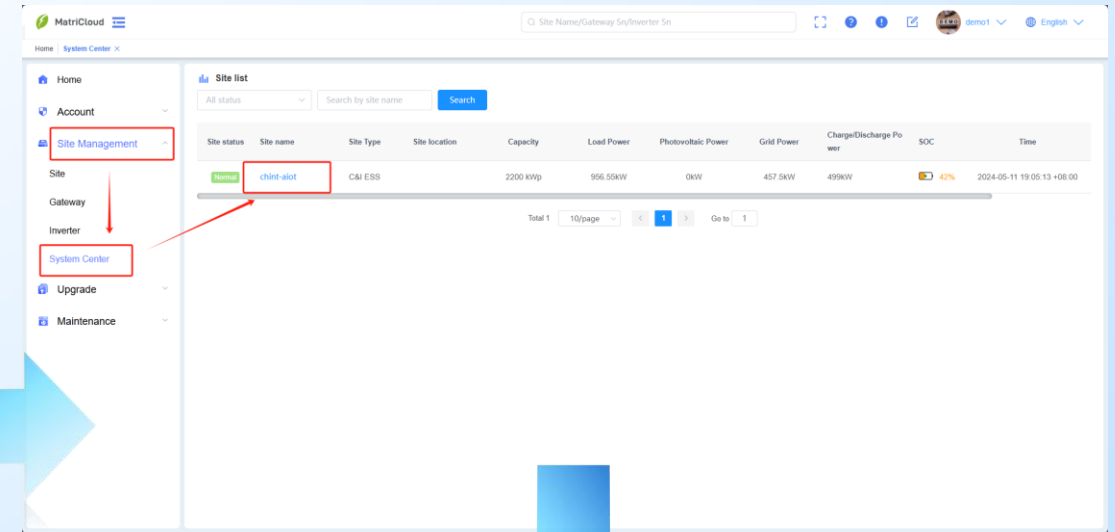
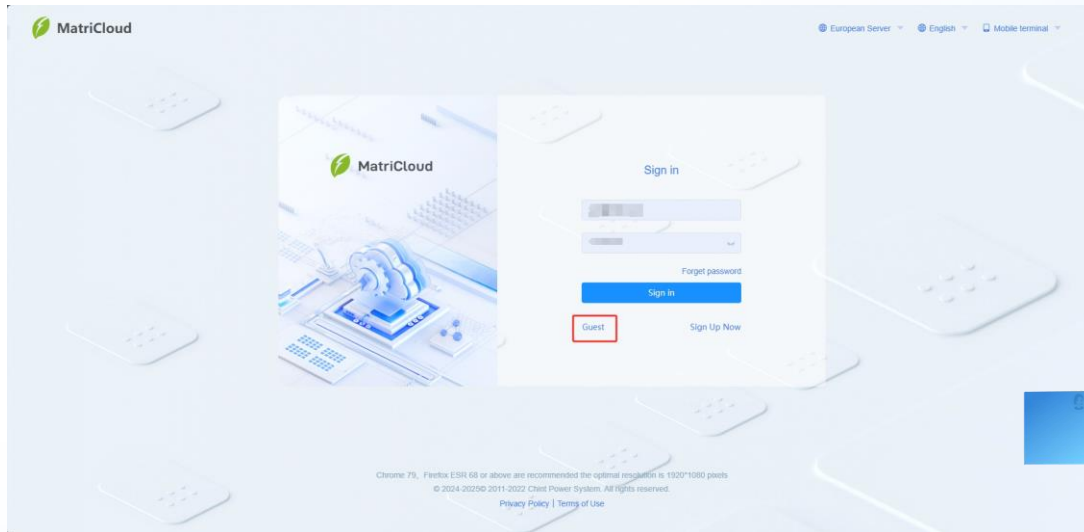


Strategy Formulation

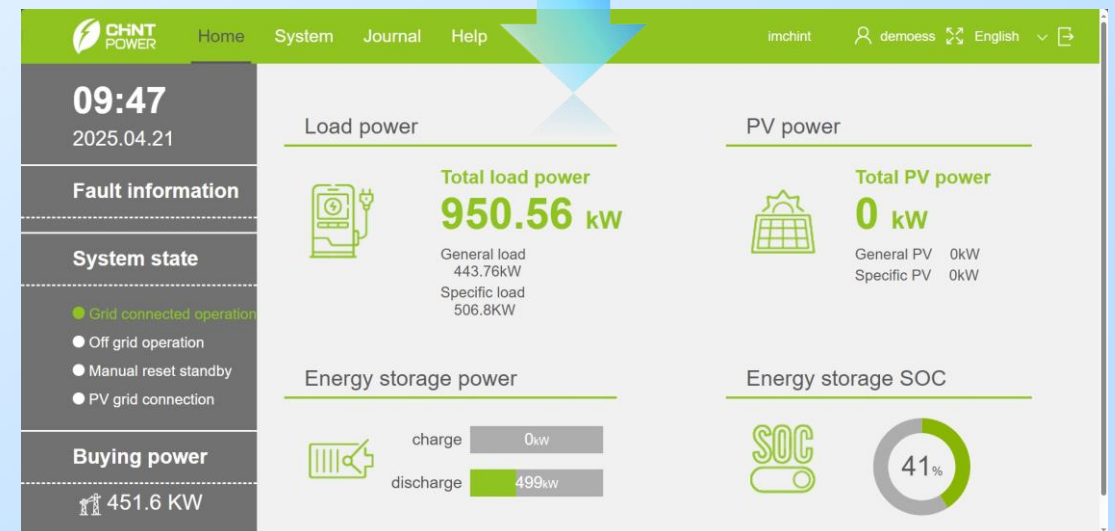
Remote Maintenance



CPS EMS C1000



- Our MatriCloud European portal can access Chinese C&I samples through a Guest account.
 - <https://eu.chintpower.com/>

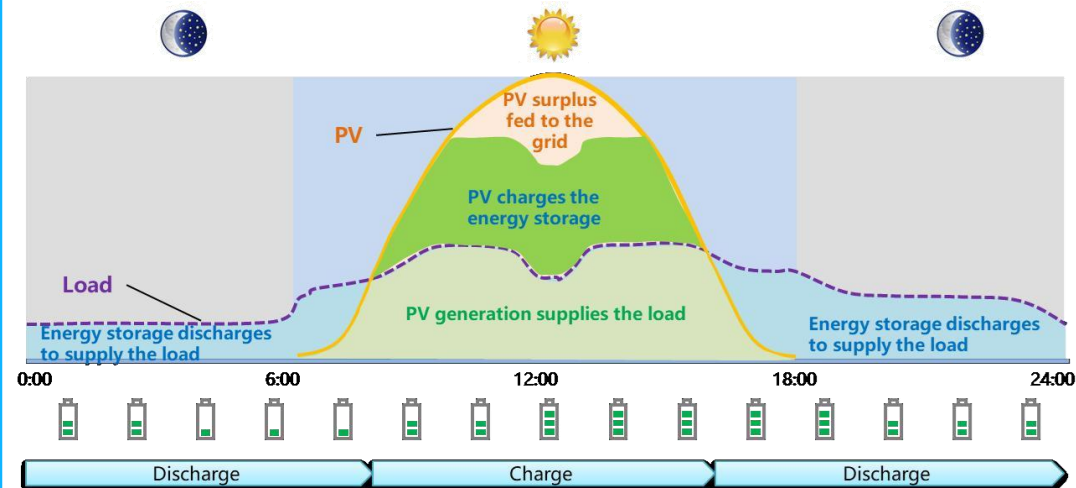
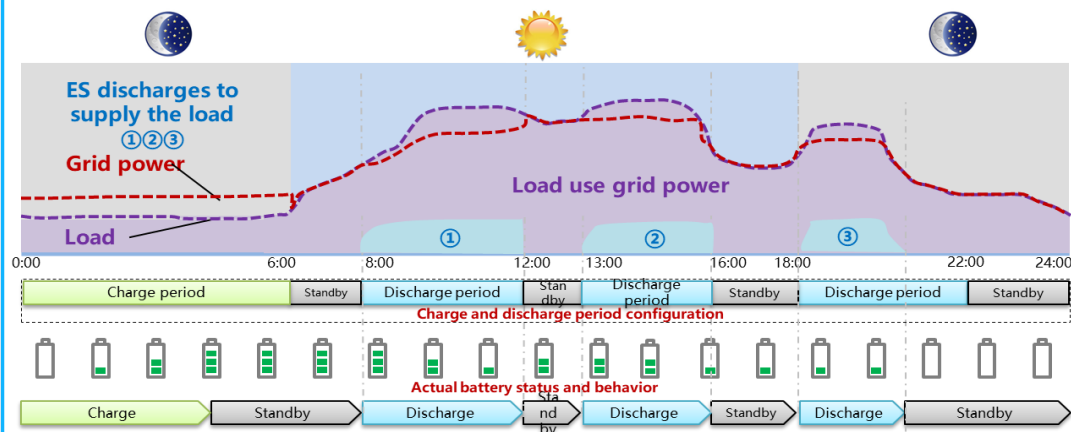


CPS EMS C1000 - Function & Scenarios



Peak Shaving & Time of Use

- Adjust the charge - discharge strategy according to the electric bill
 - Reduce the energy bill
- Available with any scenarios includes ESS cabinet



- Charge ESS with excess PV generated during daytime
 - Use consumption instead of export to improve the PV generation value
- Suitable for scenarios which includes PV system with a low export price.

Self Consumption



CPS EMS C1000 - Function & Scenarios



Demand Charge

- Decrease the maximum load capacity
 - Reduce demand charge bill
 - Reduce the transformer load
- Suitable for old transformers or high demand charge bills



VPP Response

- Both unit & system response
 - Make the control easier
 - Standard COM protocol
- Suitable for third - party EMS and VPP companies

Remote Plan

- Preset the operation plan with targets every 15 mins
- Suitable for third - party EMS and VPP companies



Zero Export

- Execute zero export for the entire system including PV and ESS
- Meet the requirements of utility companies

THANKS FOR WATCHING

