GSL-CESS-125K261

GSL ENERGY
Much More Than Grade A

It's able to provide customized power system solutions that optimize energy consumption, create economic benefits, and save energy and carbon.
It can also be used for off grid or grid connected optical storage integrated scenes to build microgrid systems.
Meet the short-term and long-term AC and DC distribution needs of users.

01 INPUT & OUPUT

DC INPUT | AC INPUT | DC OUTPUT | AC OUTPUT

02 Function

- Valley filling
- Peak shaving
- Emergency power reserve
- Load optimization control
- Short-term power regulation
- Short-circuits distributed-power trading
- Transformer capacity increase
- Interconnection for transformer areas

03 Scenes

Factories | Shopping malls | Residential areas | Hospitals | Other locations

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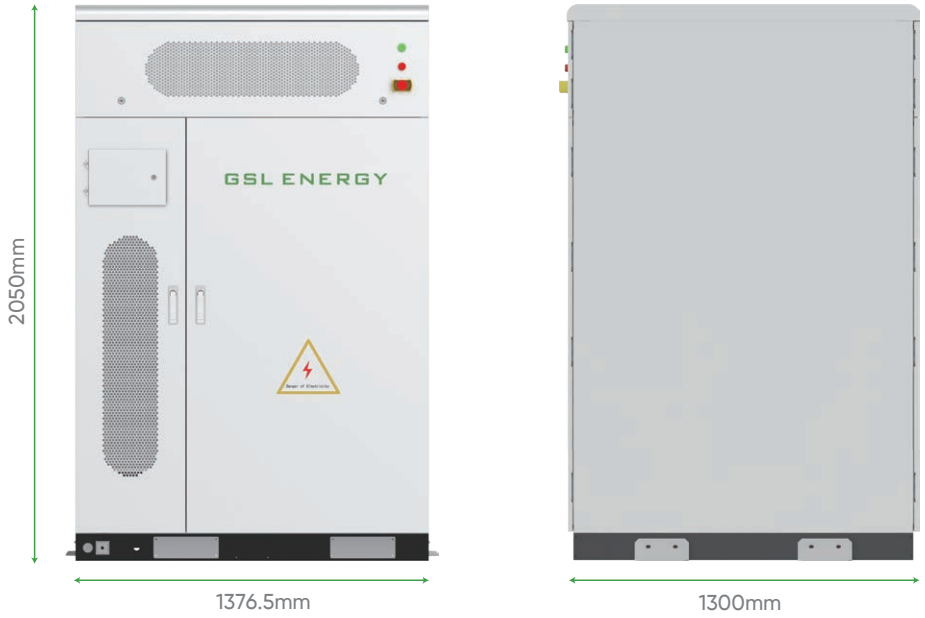

Weight :3.2t

Battery Side	Battery Type	LFP314Ah
	Cells series & parallel	260S1P(5*52S1P)
	Battery Rated Voltage	832V
	Voltage Range	650~950V
	Battery Rated Energy	261.2kWh
	Cooling Method	Liquid Cooling
AC Side	Rated Output Power	125kW
	Output Power Current	180A
	Rated Grid Voltage	AC400V
	AC Access method	3P 3W+PE or 3P 3W+N+PE
	Grid Frequency Range	50Hz/60Hz
	THDi	≤3%(Full load)
	Power Factor	-1leading to+1 lagging
System Parameter	Maximum System Efficiency	89%
	Configuration	MPPT(Optional）、STS（Optional）、PCS
	Charge/Discharge Rate	≤0.5P (140A)
	Cooling Method	Liquid Cooling
	Operating Temperature	-20 ~ +55℃ (derating at temperatures above 45℃)
	Relative Humidity	0%-95% (no condensation)
	Altitude	3000m (>3000m reduction)
	Isolation mode	Industrial Transformer Isolation
	IP Level	IP54
	Cycle Numbers	10000@25℃ 0.5C/0.5C,90%DOD，80%EOL
	Communication Interface	CAN/Ethernet /485
	Display	LCD
	Noise	＜78dB

Standards and Certifications

IEC/EN62619, IEC/EN60730, UN38.3, UN3480, IEC/EN62477, IEC/EN61000, IEC/UL60730, GB/T36276

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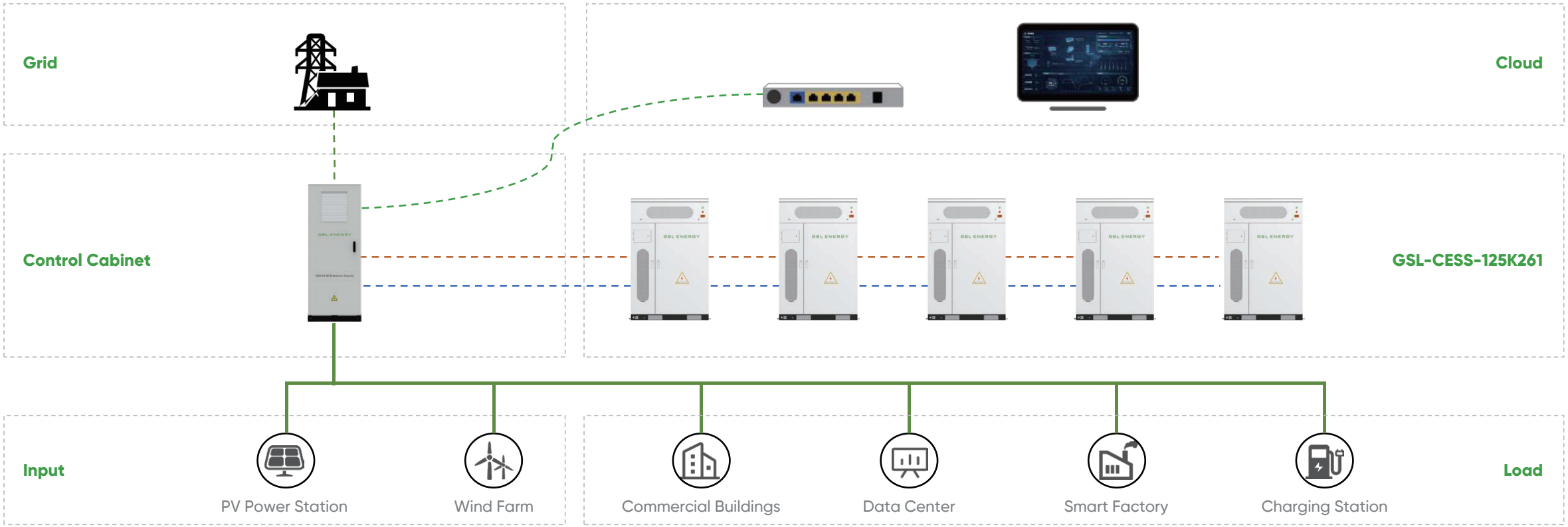

Typical application scenarios/Configurations

NO.	Scenarios	Rate	Energy	Configuration
1	C&I	0.5P	261.2kWh	1*GSL-CESS-125K261
2	C&I	0.5P	465.8kWh~1164.5kWh	2~5*GSL-CESS-125K261 + 1*AC combiner cabinet

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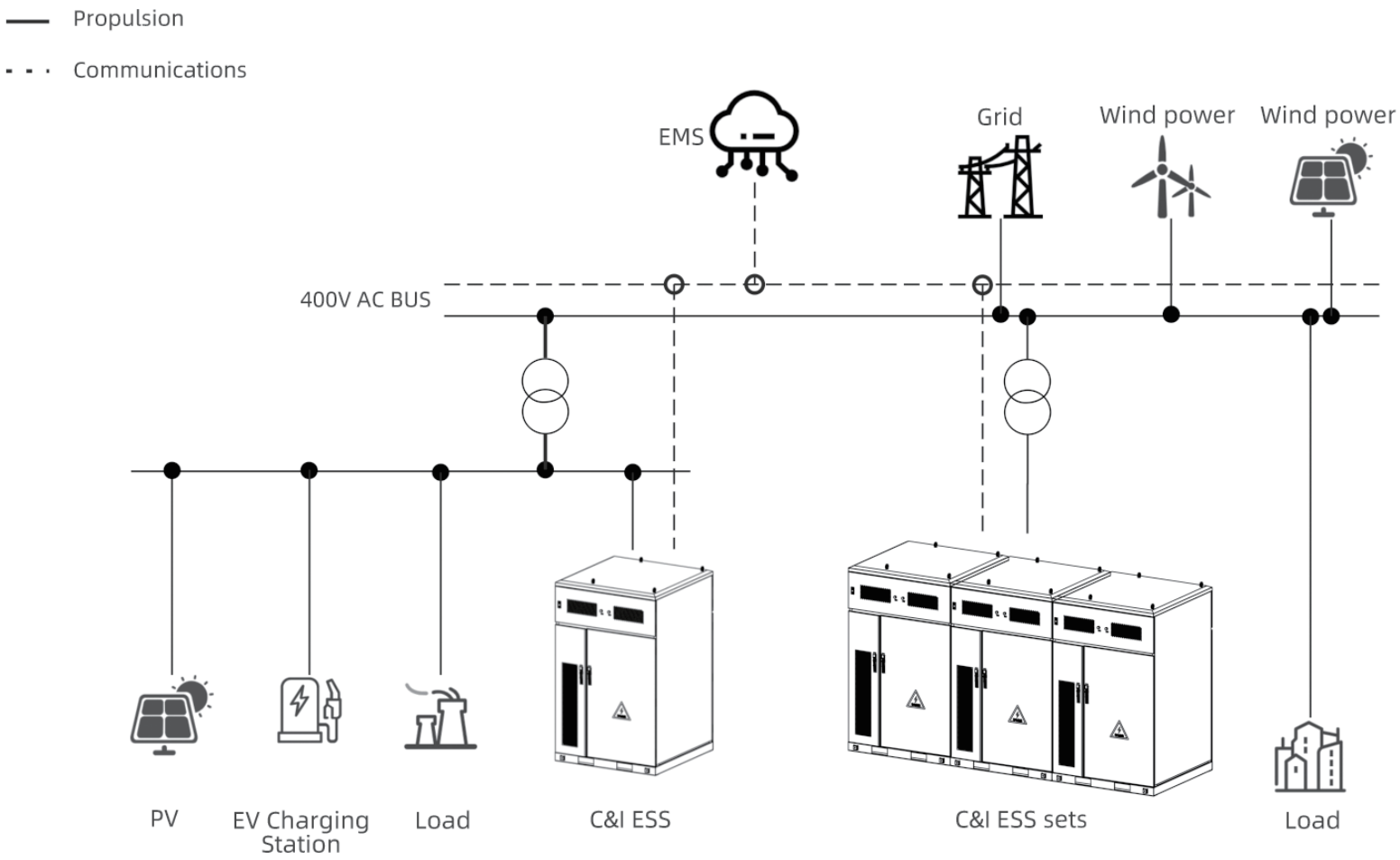
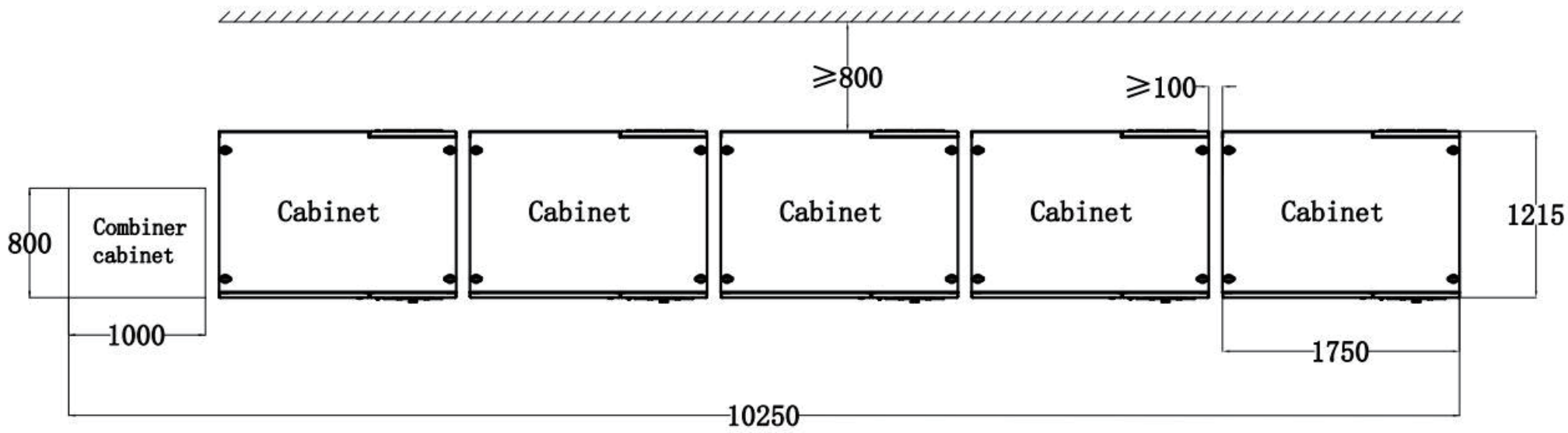
System Diagram



Typical application scenarios/configurations, and site layout

① When more than 3 cabinets are connected in parallel, it is necessary to consider whether to configure an AC combiner cabinet;

② The following diagram shows the spatial layout of 5 cabinets and 1 AC combiner cabinet.



Unit： mm