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

GSL-CESS-125K261

GSL ENERGY
Much More Than Grade A

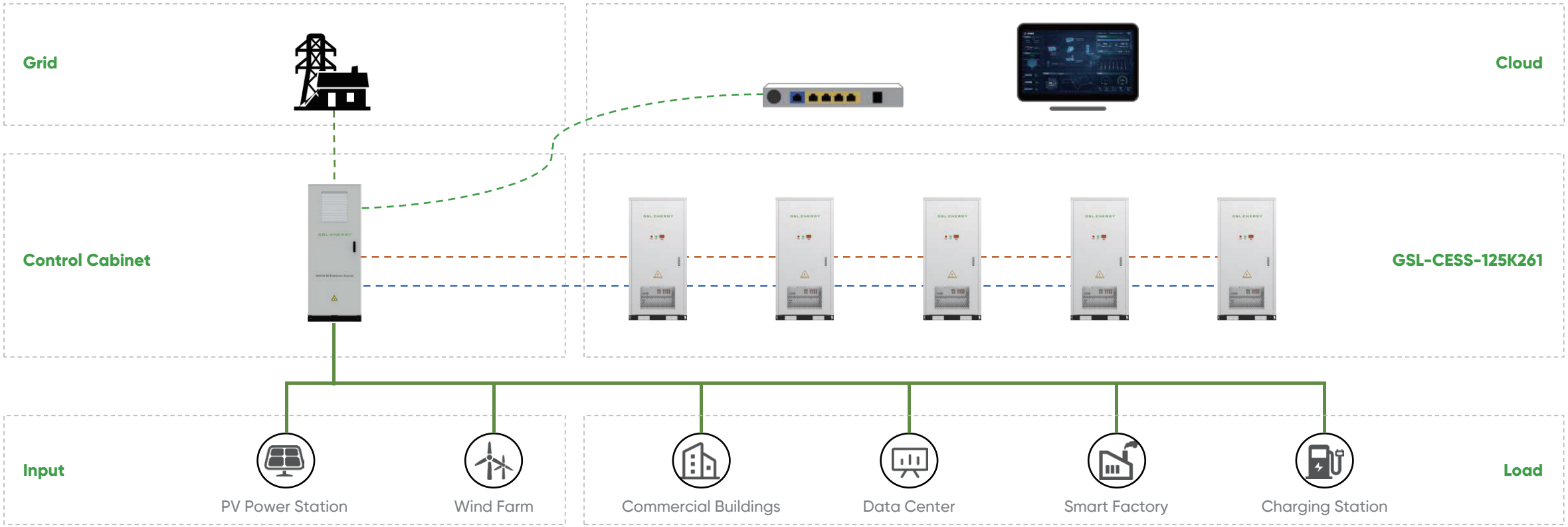
Battery Side	Battery Type	LFP314Ah
	Cells series & parallel	260S1P(5*52S1P)
	Battery Rated Voltage	832V
	Voltage Range	728~936V
	Battery Rated Energy	261.2kWh
	Cooling Method	Liquid Cooling
AC Side	Rated Output Power	125kW
	Output Power Current	180A
	Rated Grid Voltage	AC400V
	AC Access method	3P 3W+PE or 3P 3W+N+PE
	Grid Frequency Range	50Hz/60Hz
	THDi	≤3%(Full load)
	Power Factor	-1 leading to+1 lagging
System Parameter	Maximum PCS Converter Efficiency	98.6%
	Configuration	MPPT (Optional)、STS(Optional)、PCS
	Charge/Discharge Rate	≤0.5P (157A)
	Cooling Method	Liquid Cooling
	Operating Temperature	-30 ~ +60℃
	Relative Humidity	0%-95% (no condensation)
	Altitude	4000m (>2000m derating)
	Isolation mode	Industrial Transformer Isolation
	IP Level	IP54
	Cycle Numbers	8500@25℃ 0.5C/0.5C,90%DOD，80%EOL
	Communication Interface	CAN/Ethernet /485
	Display	LCD
	Noise	<65dB (1m away from the horizontal position of the device)

Standards and Certifications

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

GSL-CESS-125K261

GSL ENERGY
Much More Than Grade A



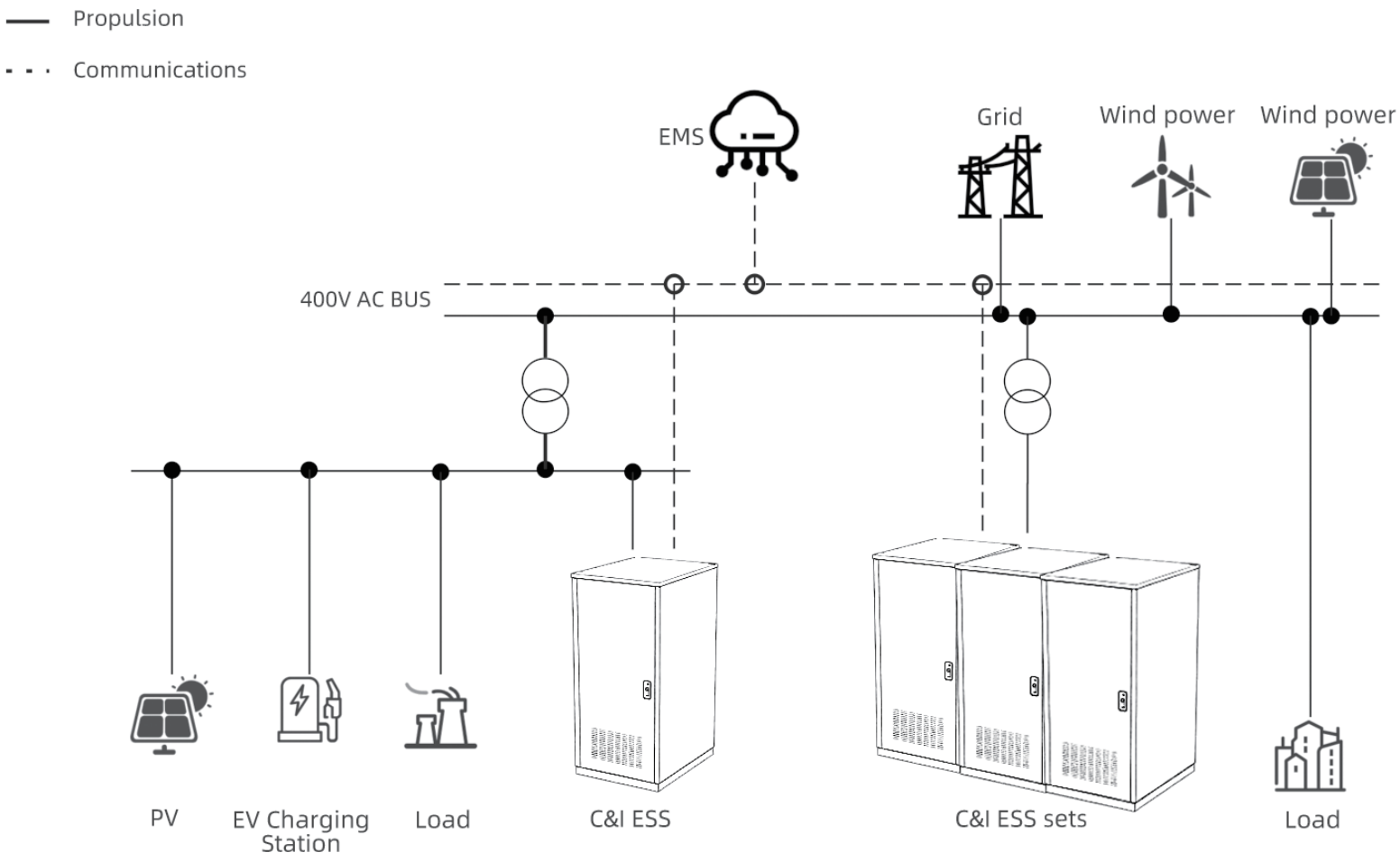
Typical application scenarios/Configurations

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

GSL-CESS-125K261

GSL ENERGY
Much More Than Grade A

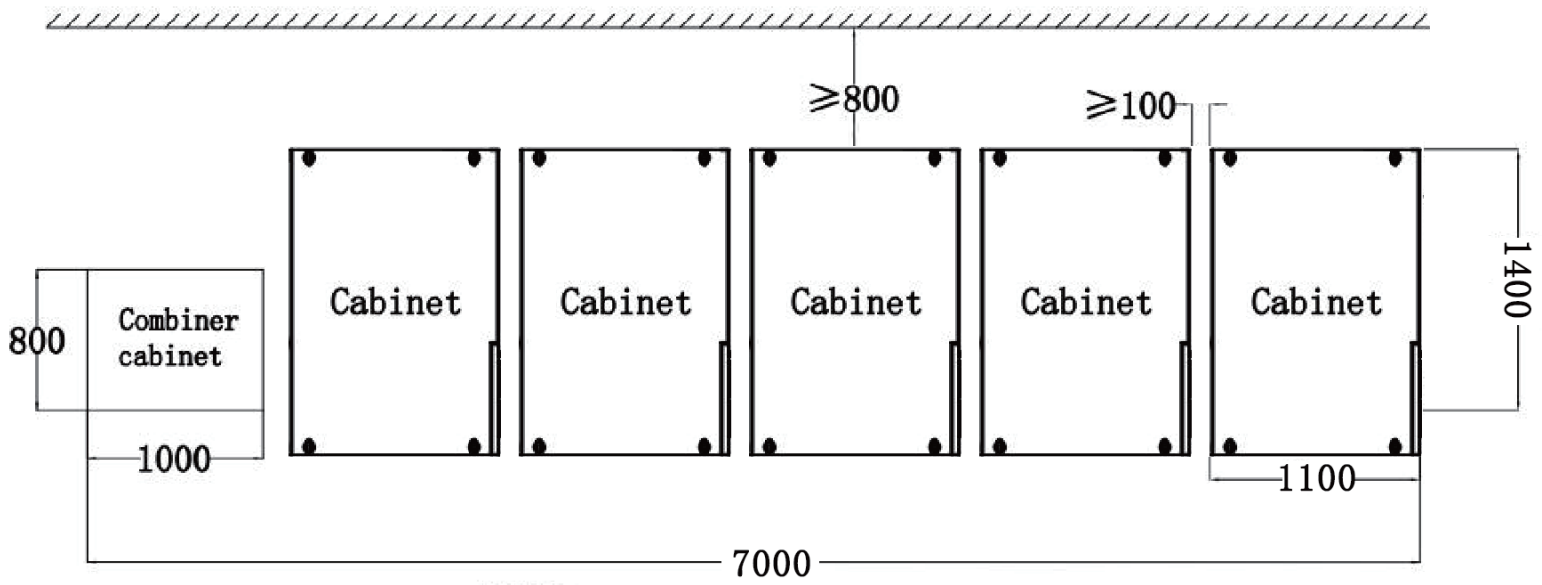
System Diagram



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