



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



Weight :3.2t



Standards and Certifications

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

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

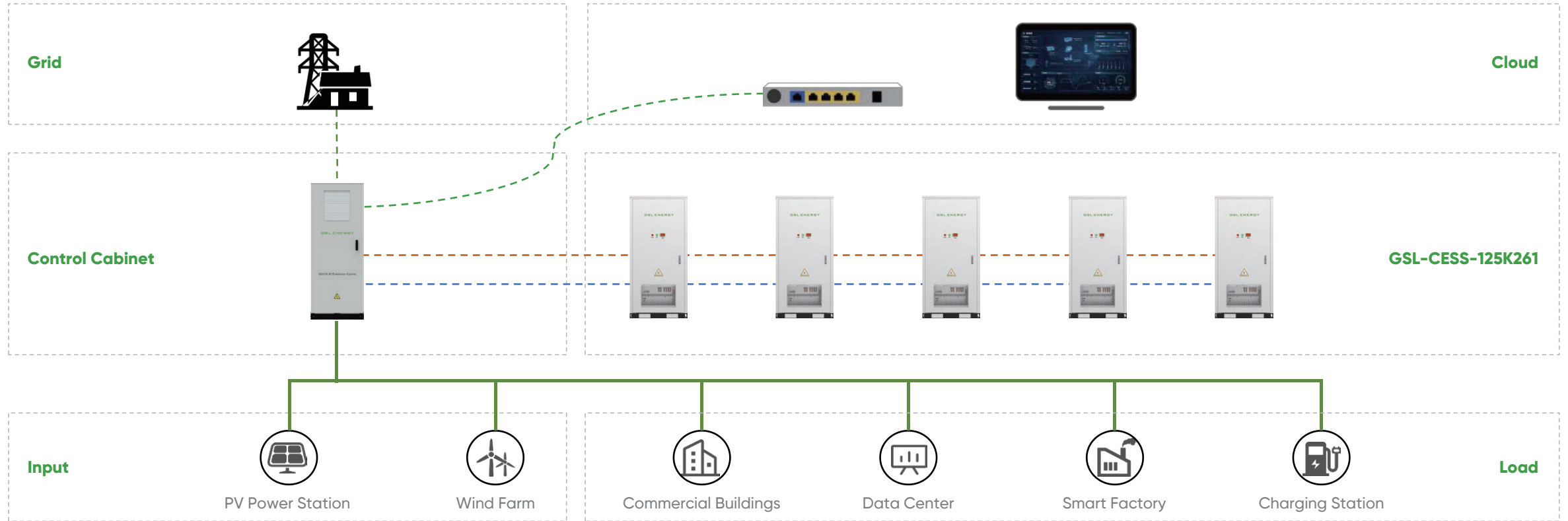


Rated Output Power	125kW
Output Power Current	180A
Rated Grid Voltage	AC400V
AC Access method	3P 3W+PE or 3P 3W+N+PE
Grid Frequency Range	50Hz/60Hz
THDi	≤3%(Full load)
Power Factor	-1leading to+1 lagging

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	<75dB

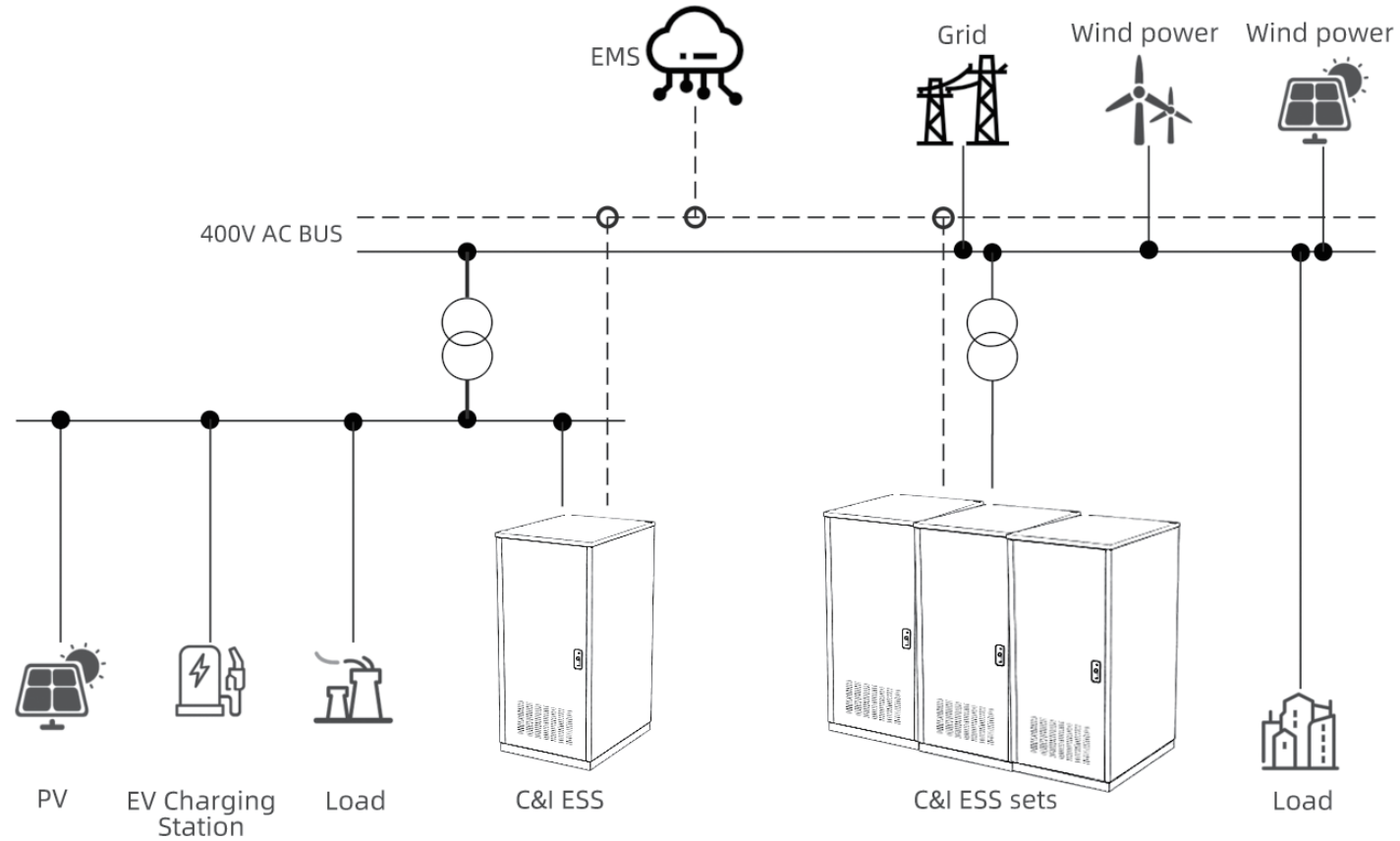


Typical application scenarios/Configurations

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

System Diagram

- Propulsion
- - - Communications



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.

