Run
Fault
Stop

GSL ENERGY

有电危险

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
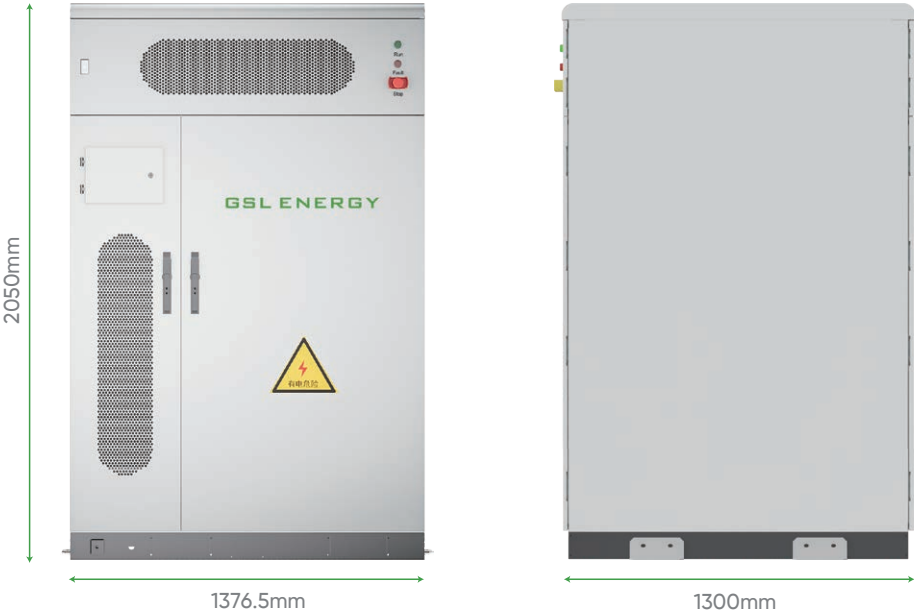
03 Scenes

Factories   Shopping malls   Residential areas   Hospitals   Other locations

GSL-CESS-125K232

2050mm

1376.5mm

1300mm

Weight :3.2t

DC Side		
	Battery Type	LFP280Ah
	Cells series & parallel	260S1P(5*52S1P)
	Battery Rated Voltage	832V （25℃±2℃）
	Battery Voltage Range	650~950V
	Battery Rated Energy	232.9kWh

AC Side		
	Rated Output Power	125kW
	Output Power Current	180A
	Rated Grid Voltage	AC480V
	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	6500@25℃ 0.5C/0.5C,90%DOD，80%EOL
	Communication Interface	CAN/Ethernet /485
	Noise	LCD
	Display	＜78dB

Standards and Certifications

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

GSL-CESS-125K232

Grid

Cloud

Control Cabinet

GSL-CESS-125K232

Input

Load

PV Power Station

Wind Farm

Commercial Buildings

Data Center

Smart Factory

Charging Station
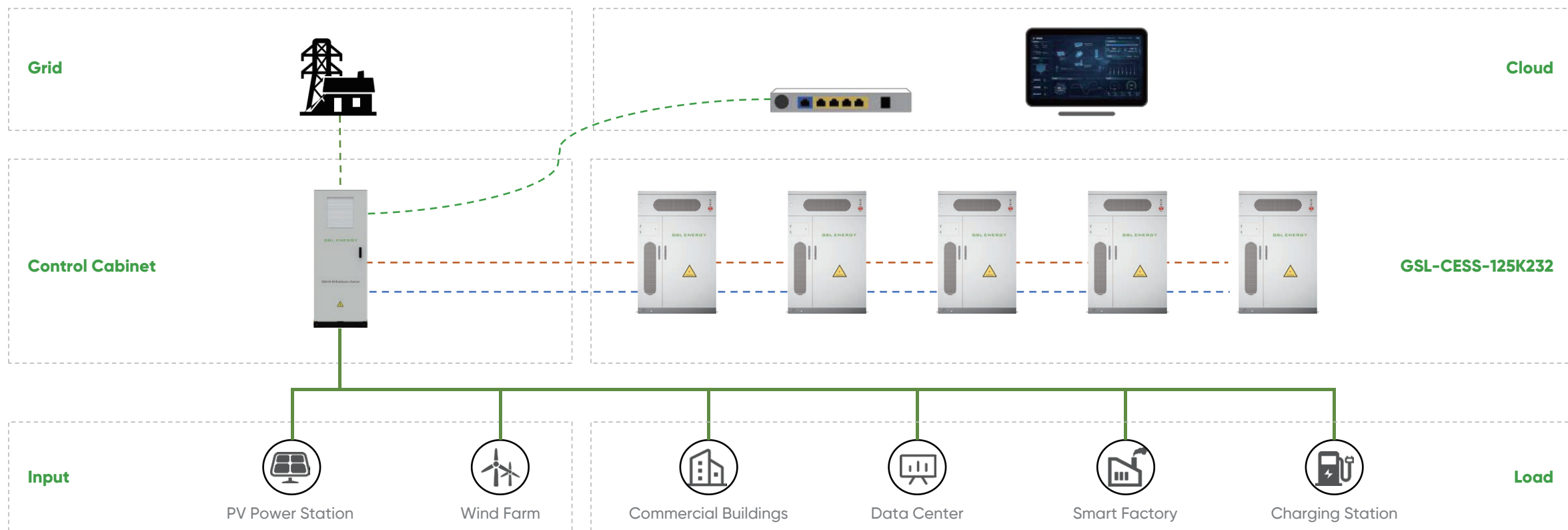
Typical application scenarios/Configurations

NO.	Scenarios	Rate	Energy	Configuration
1	C&I	0.5P	232.9kWh	1*GSL-CESS-125K232
2	C&I	0.5P	465.8kWh~1164.5kWh	2~5*GSL-CESS-125K232 + 1*AC combiner cabinet

GSL ENERGY
Much More Than Grade A

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