

# GSL-CESS-100K232



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-100K232



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	LFP280Ah
Cells series & parallel	260S1P(13*20S1P)
Battery Rated Voltage	832V
Voltage Range	650~950V
Battery Rated Energy	232.9kWh
Cooling Method	Liquid Cooling

### AC Side



Rated Output Power	100kW
Output Power Current	145A
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

### MPPT



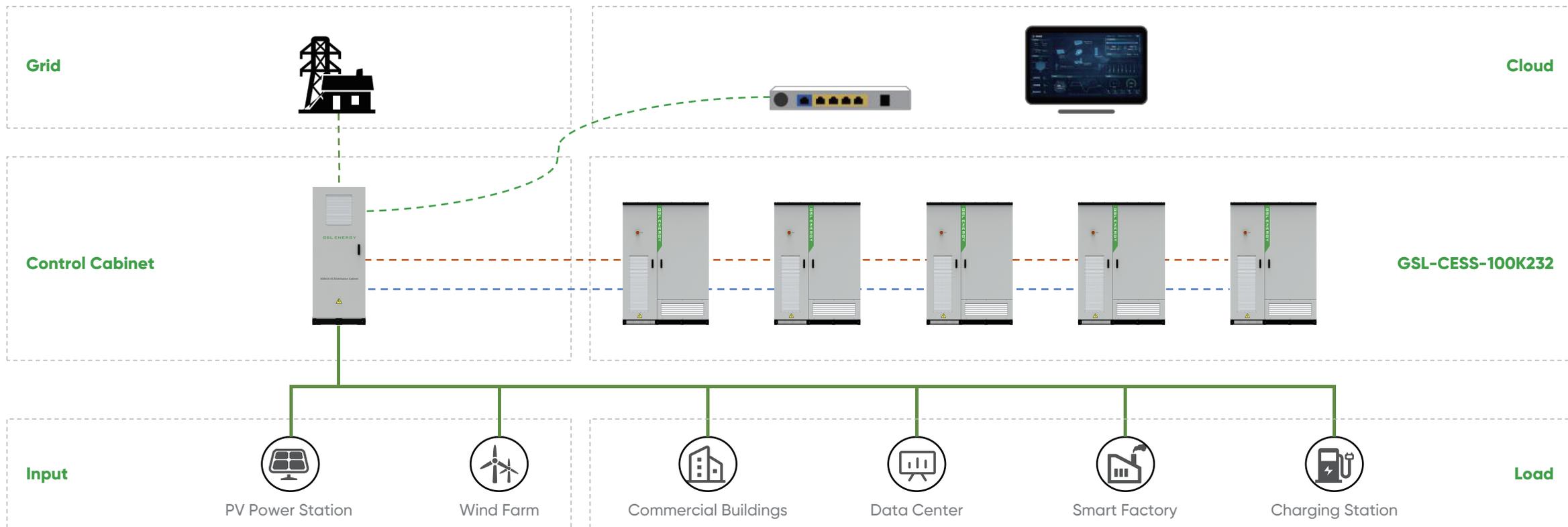
Rated Power	100kW
Open Circuit Voltage	600V
PV Side Voltage Range	200~550V
PV Side Current	320A(max)
Max. Power	110kW
Number of MPPT Paths	2/4

### 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
Display	LCD
Noise	<78dB

# GSL-CESS-100K232



## Typical application scenarios/Configurations

NO.	Scenarios	Rate	Energy	Configuration
1	C&I	0.5P	232.9kWh	1*GSL-CESS-100K232
2	C&I	0.5P	465.8kWh~1164.5kWh	2~5*GSL-CESS-100K232 + 1*AC combiner cabinet

# GSL-CESS-100K232

## 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.

