LIQUID COOLING OUTDOOR CABINET

GLC125-261

Performance characteristics >>

Longevity and cost reduction

- Active balancing technology improves battery consistency and extends system life.
- The temperature difference of the batteries in the PACK is less than 3°C, which effectively extends the battery life.
- The charge and discharge conversion efficiency is greater than 91%, and the system life is more than 6,000 times.
- Intelligent liquid cooling temperature control reduces auxiliary power consumption by 20%, saving operating costs.
- Pre-installed design for easy transportation, no battery installation work.

Safe and reliable

- AI monitoring of battery cell health and early warning of sick batteries.
- Closed liquid cooling system + cloud management, safer.
- Triple independent fire protection, space-level and PACK-level fire protection, 1.5H fire resistance for the whole cabinet.

Efficient and flexible

- ALL IN ONE design concept, high power, high energy density, and 20% less floor space.
- Intelligent cluster-level management reduces the cask effect of battery clusters and increases discharge capacity.
- Plug and play,Three-phase four-wire, aviation plug.

Lean Intelligence

- SOC high-precision status assessment can dynamically adjust energy efficiency management strategies. Intelligent cloud operation and maintenance, APP terminal, unattended operation.
- Multi-scenario function presets: substation management, industrial and commercial microgrids, oil engine replacement, etc.

Product parameter >>

Mode		GLC125-261
DC Battery Parameters	Battery cell type	LFP3.2V/314Ah
	Battery pack configuration	1P52S/52.249kWh
	Battery system configuration	1P260S
	Battery voltage range	728V~923V
	Battery system capacity	261.24kWh
	Temperature detection	Battery cell + copper bus
	Battery charging and discharging rate	≤0. 5P
AC Parameters (On grid)	Rated Power	125kW
	Maximum output power	135kW
	Rated grid voltage	AC380V -15%~+10%
	Rated grid frequency	50/60Hz，±5Hz
	Power Factor	-1 (leading) ~ 1 (lagging)
	AC current harmonics (THDi)	<3%(Rated output power)
	Connect method	Three-phase four-wire
AC Parameters (Off grid)	Rated output voltage	380V±3%AC
	Rated output power	125kW
	Rated output frequency	50/60Hz
	AC voltage harmonics (THDu)	<3%(Linear load)
	Overload capacity	1.1 times long term (45°C), 1.2 times 1 min, 1.3 times 1s
System Parameters	Highest system efficiency	91%
Protection	DC input	Load switch + fuse
	Overvoltage protection	DC Type II/AC Type II
	Fire protection system	Cabin-grade perfluorohexanone fire protection
	Incoming line method	AC bottom inlet
Environ-ment Require-ments	Allowable ambient temperature	-30℃~+55℃(De-rating power from 45℃)
	Allowable ambient humidity	0~95%RH
	Maximum working altitude	3000m(Reduce capacity for use above 2000 meters)
	Protection level	IP54
	Corrosion resistance grade	C4
	Cooling method	Liquid Cooling
	Weight	About 2.3t
	Dimension(W*D*H) mm	1350*1350*2050

Note: The actual product shall prevail. Parameters are subject to modification without prior notice.