



### PRODUCT DESCRIPTION

The Enerbank-CS distributed integrated outdoor cabinet energy storage system adopts the All-in-One design, which integrates the energy storage batteries, battery management system (BMS), PCS, local monitoring system, fire-proof system, temperature control system, and power distribution system into an independent outdoor cabinet. This product is mainly used in scenarios such as commercial buildings, shopping centers, communities, and the end of distribution networks. The product is compatible with wall-mounted and cabinet-type PCS installation. The standardized unitized design makes the product be flexibly configured according to actual application scenarios.



### APPLICATION SCENARIOS

- Communities and commercial buildings
- Hospitals, shopping centers, public parking lots, etc.
- End of distribution networks
- PV-ESS-Charger and micro grid, emergency power or backup power supply, etc.



### PRODUCT FEATURES

- High integration and high security
- The PCS supports simultaneous access of batteries and PV
- Strong environmental adaptability with IP55 protection level
- Modular design allowing for rapid deployment and simple installation, operation and maintenance
- Support for parallel connection operation
- Support for maximum 1C continuous operation



### PRODUCT PARAMETERS

		HNB51.2V50
DC Side Parameters	Battery Material	LFP
	Battery Rated Voltage	512V
	Rated Energy	51.2 kWh
	Battery Voltage Range	464V~568V
	PV Voltage Range	200-850V
	Maximum DC Current	120A
	DC Input	1/2/3
AC Side (On-Grid)	Rated Power	30 kW
	Rated Voltage	380V/400V/480V
	Voltage Range	-15%~+10%
	Rated Frequency	50/60 Hz
	Frequency Range	Rated frequency $\pm$ 3 Hz
	Power Factor	1
	THDI	$\leq$ 3%
AC Side (Off-Grid)	Overload Capacity	$\leq$ 105% (continuous operation)
	Rated Power	30 kW
	Rated Voltage	380V/400V/480V
	Rated Frequency	50/60 Hz
	Frequency Range	Rated frequency $\pm$ 0.2 Hz
	THDU	$\leq$ 3%
	Overload Capacity	$\leq$ 105% (continuous operation), 125% (1 min)
System	AC Access Method	3P+N+PE
	Cabinet Size [W*D*H]	750*850*2200 mm
	Weight	~1000 kg
	Isolation Method	Non-isolated
	Cooling Method	Air-conditioning
	Protection Level	IP55
	Noise	< 65 dB
	Fire Control Method	Heptafluoropropane (HFC-227ea/FM200) auto fire extinguishing system
	Communication	Ethernet, RS485, and CAN
	Working Temperature	-20℃ ~ +60℃