



PRODUCT DESCRIPTION

The EnerBank-MS Industrial/Commercial 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 container. This product is mainly used in micro grids. By applying a standard unitization design, this product allows for flexible configuration according to actual application scenario requirements.



APPLICATION SCENARIOS

- Micro grid
- PV-ESS-Charger scenario
- Emergency power or backup power supply scenario



PRODUCT FEATURES

- High integration and security
- Strong environmental adaptability with IP55 protection level
- Modular design allowing for rapid deployment and simple installation, operation and maintenance
- Support for multi-container parallel connection operation
- Support for maximum 1C continuous discharge operation



PRODUCT PARAMETERS

		IMS 50K100	IMS 100K300
Battery Side	Battery Material	LFP	
	Capacity	100~300 kWh	
	Voltage Range	250V ~ 520V	
	Max. DC Current	130A	260A
PV Side	PV Voltage Range	520~900V	
	Max. PV Current	220A	440A
	MPPT Efficiency	>99.5%	
	Rated Power	50 kW	100 kW
AC Side (On-Grid)	Rated Voltage	400V/480V	
	Voltage Range	-15%~+10%	
	Rated Frequency	50/60 Hz	
	Frequency Range	Rated frequency \pm 2.5 Hz	
	Power Factor	1	
	THDI	\leq 3%	
	Overload Capacity	\leq 115% (continuous operation)	
	Connection Method	3P4W	
	Container Dimensions [W*D*H]	3058*2438*2591 mm	
	Weight	~4.7~6.3T	
System	Cooling Method	Intelligent temperature control	
	IP Grade	IP54	
	Noise	<65 dB	
	Fire-Proof	Heptafluoropropane auto fire extinguishing system	
	Communication	Ethernet, RS485, and CAN	
	Altitude	3000m (-1%/100m)	
	Working Temperature	-20 C ~ +60 C	
	Relative Humidity	0~95% RH (non-condensing)	
Certification	CE, LVD, and IEC62619		