



LY- Container Power

The LY-Container Power can provide unlimited capacity expansion from 1MWh to Mutil-MWh.



Safety

A-grade, high-performance LiFePO4 battery and "Separate cluster, separate management". Fault self-diagnosis and self-recovery.
Design patent of preventing ame outward expansion.
High efficient thermal management design.

Intelligent Management

24-hour cloud intelligent maintenance .
Quick fault location and analysis.
Intelligent temperature control, reducing power consumption.

Convenient Installation

Containers of international standard sizes are convenient for integrated transportation. Plug and play and easy on-site installation.
High mobility and suitable for deploying of harsh environments.

Economic and High efficient

Combined with AI EMS to maximize revenue and realize precise and efficient control.
Optimized design on hardware and software for higher conversion efficiency
Quick response in milliseconds.



parameter	Item	20FT
◎DC input parameters	Chemistry type	LiFePO4
	Initial nominal battery capacity	2.0MWh
	Battery voltage range	629V ~ 876V
◎AC output parameters	AC rated power	1MW
	Nominal voltage	400V±15%
	Nominal frequency	50/60Hz
	Isolation method	Without isolation transformer
	AC output voltage	400V(±10% configurable)
	AC output current	720A(short tem overload 792A max)
	Output THDU AC frequency	≤2%(Linear load)
◎Basic parameters	ESS container size (W*D*H)	6058×2438×2896mm
	Container protection degree	IP54
	Operating temperature range [1]	-10°C ~ 40°C
	Maximum working altitude[2]	< 2000m
	Container cooling method	HVAC
	ESS container fire fighting system	HFC-227ea fire extinguishing system
	Communication interface	Ethernet
	Communication protocol	Modbus TCP/IP
	Communication interface	RS485 CAN ethernet
	Communication protocols	Modbus TCP/IP
	Certification	IEC62619, CE, UL9540A, UL1973, UN38.3, CE LVD, IEC62477, CE EMC, G99, VDE4110
	Cycle life	≥6000 Cycles
	Weight	24metric tons

