

Utility ESS iContainer



Smart and User-friendly

- Grid-friendly, proactive support, quick response.

Flexible and convenient

- Support multiple sets of parallel use with a wide range of capacity.

Safe and reliable

- Intelligent management, AI support, improve thermal management capabilities.

Profitable and efficient

- Multi-scene application, support peak and valley arbitrage, auxiliary services, etc.



iContainer



SPECIFICATIONS

Category	Item	Technical Parameters
BES	Container Specifications	20FT
	Full Capacity	2MWh
	Adaptable Voltage Range	500~1500Vdc
	Charge and Amplification Rate	0.5CP (1MW PCS Built-in)/1CP(2MW PCS External)
	Cell Parameters	LFP-3.2V-280Ah-896Wh
	Module Parameters	LFP-51.2V-280Ah-14.33kWh
	Cycle Life	6000 Times-0.5C (90%DOD,>80EOL)
	Cycle Efficiency	≥94%-0.5C/≥91%-1C (DC Side)
AC Power	Fully Equipped with PCS Power	1MW
Basic Parameters	BMS Program	Active balancing + three-level architecture
	Communication Interface	Ethernet/RS485/CAN
	Communications Protocol	Modbus-TCP/IEC61850/104
	Temperature Control Scheme	1CP-liquid cooled/0.5CP-inverter air-cooled
	Fire Protection Scheme	Gas, smoke, temperature detection + Novec1230/ FK-5112 + frequency conversion exhaust
	Insulation Resistance	> 10MΩ
	Auxiliary Power Supply	AC380V-50Hz
	Elevation	≤2000m
	Permissible Ambient Temperature	~40~+55°C
	Permissible Relative Humidity	0~95RH (No cold dew)
	Degree of Protection	IP65
	Anti-Corrosion Rating	C4 (C5 Optional)
	Size (L*W*H)	5800*2300*2400 mm
	Full Weight	25T
Product Certification	IEC62619 UN38.3 G99 ETL listed conforming to UL1741 / FCC / IEEE1547 / CSA 22.2 CPUC RULE 21 / HECO RULE 14	

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