Container-Based Energy Storage – 20-Foot Series (Liquid-Cooled)

This critical thermal management technology employs liquid coolant for both heating and cooling, replacing traditional air cooling methods, thereby achieving higher efficiency and more uniform temperature distribution.

Product Features

- Design service life exceeding 10 years, with a 5-year warranty period.
- Modular design, high energy density, and easy installation
- Customization is applicable to grid-connected systems.
- Supports multi-country power grid access certification requirements
- ≥6000 cycles
- Safe, efficient, and fast to use

Integrated Design

Incorporate

Energy Storage System – 3.85 MWh

Container-Based Energy Storage System

Model		3.85MWh (0.5C)
Rated capacity		3.2V 314Ah Battery / 153.6V 314Ah Module
AC stage		Three-phase, four-wire system
Battery Module	**Rated voltage (V)**	153.6
	Voltage range (V)	134.4~170.4
	Communication mode	CAN/RS485
	Standard Energy (Ah)	314
	Working temperature	0~50’℃
	Storage temperature	-20~60’℃
	Rated voltage (V)	1228.8
Battery Cluster Nominal Capacity (AH)	**Voltage accuracy**	1113.6~1363.2
	Communication mode	CAN/RS485
	Working temperature	314
	Storage temperature	0~50C
	Rated voltage (V)	-20~60℃
Grid-connected operation mode	**Allowed voltage range (V)**	400
	Frequency range (Hz)	380±156
	Power factor	47.5~51.5
Noise (Db)		≥0.99 (absolute value)
IP grade		<70
Internal Communication		IP54
Customized Container		Ethernet
Size (mm)		Fire extinguisher/Lighting system/Liquid cooling system
Weight (T)		6058*2438*2896 (L’W*H)20HQ
Cooling-down method		~35
Attestation		Liquid cooling
		CE/MSDS/UN38.3/UL/IEC62619

Container-Based Energy Storage – 40-Foot Series (Liquid-Cooled)

This critical thermal management technology employs liquid coolant for both heating and cooling, replacing traditional air cooling methods, thereby achieving higher efficiency and more uniform temperature distribution.

Product Features

- Design service life exceeding 10 years, with a 5-year warranty period.
- Modular design, high energy density, and easy installation
- Customization is applicable to grid-connected systems.
- Supports multi-country power grid access certification requirements
- ⩾6000 cycles
- Safe, efficient, and fast to use

Integrated Design

Incorporate

Energy Storage System – 5 MWh

Container-Based Energy Storage System

model		5MWh (0.5C)
rated capacity		3.2V 314Ah battery cell / 51.2V 314Ah battery pack
AC Stage		Three-phase, four-wire system
Battery Module	**rated voltage (V)**	51.2
	Voltage range (V)	46.4~56.8
	Communication mode	CAN/RS485
	Standard Energy (Ah)	314
	Working temperature	0~50℃
	Storage Temperature	-20~60℃
Battery Cluster	**Rated Voltage (V)**	768 696~
	Voltage Range (V) | Communication Method | Standard Capacity (Ah) | Operating Temperature	852 CAN/ RS485 314 0~50 C
	storage temperature	-20~60℃
Grid-connected operation mode	**rated voltage (V)**	400
	Allowed voltage range (V):	380±15%
	Frequency Range (Hz)	50~60
	power factor	≥0.99 (absolute value)
noise (Db)		<70
IP grade		IP54
Internal Communication		Ethernet
monitored control system		Fire Extinguisher/Lighting System/Air Conditioning System
size (mm)		12192*2438*2591 (L*W*H) 40GP
weight (T)		~50
cooling-down method		Air Cooling
attestation		CE/MSDS/UN38.3/UL/IEC62619