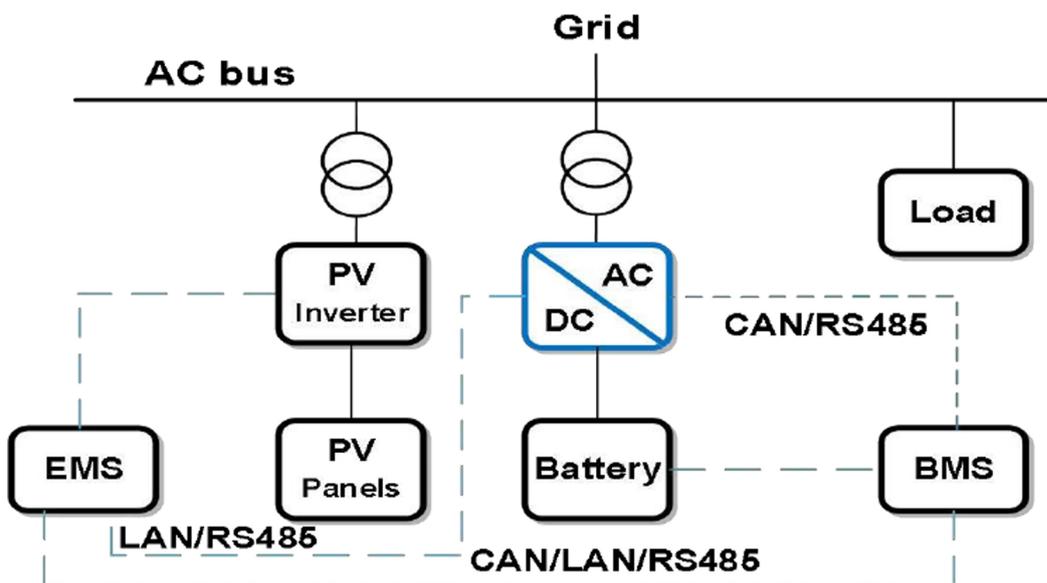
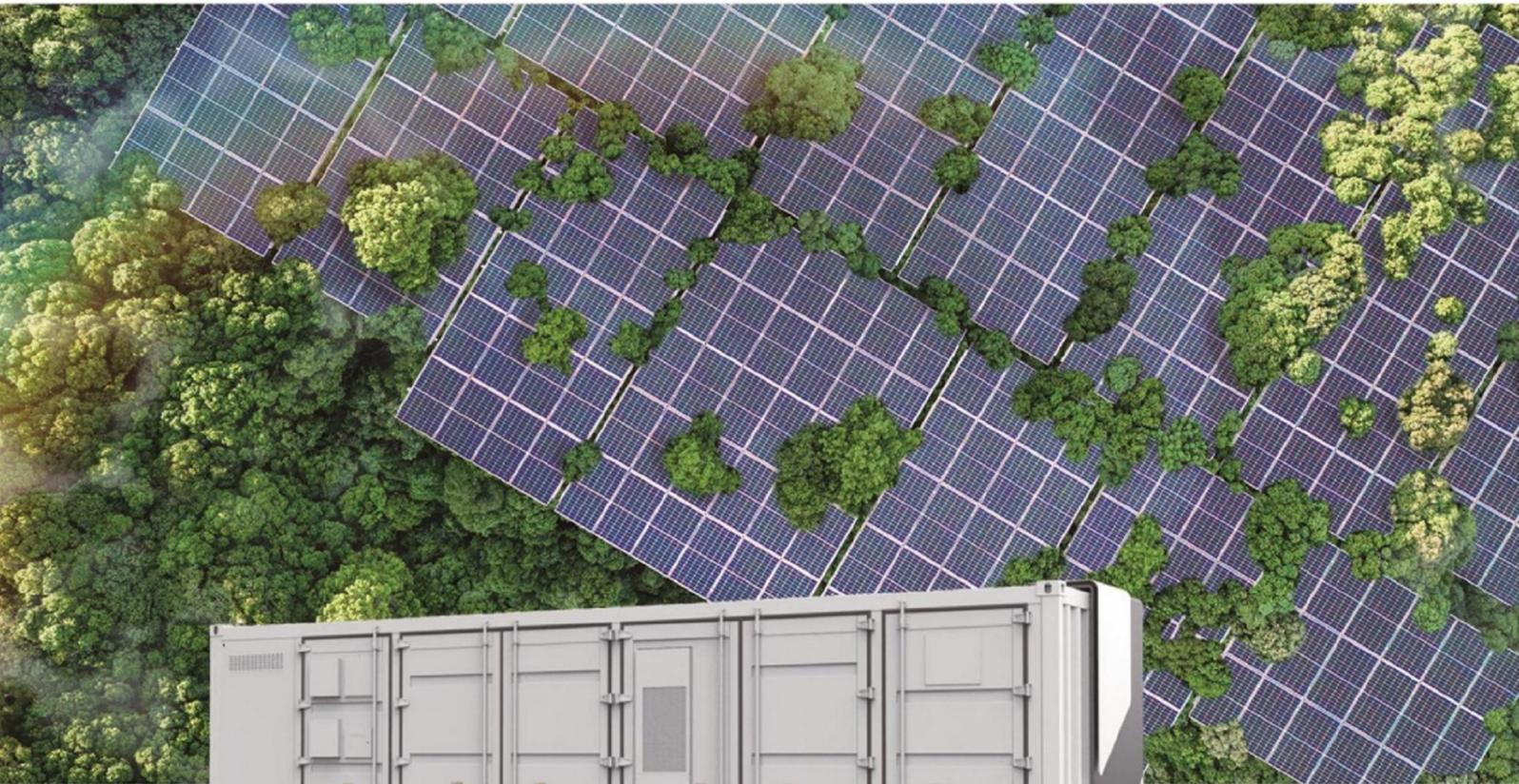


# SUNROVER



# CONTAINERIZED ESS (HZC SERIES)

## Container Energy Storage System

Rated output power		6.25MWh3MW(0.5C)	
Rated capacity		3.2V314AH CELL、51.2V314AH Battery Module	
AC Phases		Three-phase Four-wire	
Grid discharge mode	Rated voltage	380V	
	Voltage range	380±15%V	
	Rated frequency	50Hz	
	Frequency range	47.5~51.5Hz	
	Total current waveform	<5%	
	Distortion rate(THD)	<5%	
	Output power factor	≥0.99	
Off-grid operation mode	Rated voltage	380V	
	Voltage accuracy	<±3%	
	Output voltage distortion	<5%	
	Rated output frequency	50±2%Hz	
	Voltage transition range	<10%	
	Withstand three-phase load imbalance	100%	
On-Grid operation mode	Rated voltage	400V	
	Voltage range is allowed	380±15%V	
	Frequency range	47.5~51.5HZ	
	Power factor	≥0.99(absolute value)	
Noise		<70dB	
IP GRADE		IP54	
Internal communication		Ethernet	
Customized Container		Fire Extinguisher/Lighting system/Air cooling (Water cooling system optional/Anti fire Layer etc)	
Weight		~70TON	~30TON
Cooling method		Air cooling/Liquid cooling	
Certification:CE/MSDS/UN38.3/UL/EC62619/NDE4110			
DC Side			
Battery Type		LFP(Lithium Iron Phosphate)	
Configuration		26P240S	
Battery Capacity(BOL)at DC side(kWh)		6269.952	
Nominal DC Voltage(V)		768	
Nominal AC Power(MW)		3	
Rated Charge(Discharge)Rate		0.5C	
Operating Voltage Range(V)		672V~864V	
Standard Charge (Discharge)Current(A)		157A*6	
Cooling Mode		Air cooling	
Coolant		Ethylene Glycol:Aqueous Solution (50%v:50%v)	
Cycles		6000	
Fire Extinguisher		NOVEC1230/FM200(optional);water- based fire suppression system	
Fire Safety Equipment		Smoke,heat &flammable gas detector	
<b>Battery System</b>			
Operating Temperature Range(°C)		-30°C~50°C(>45°C derating)	
Noise(dB)		<80	
Dimensions(W*D*H)(mm)		40ft(single container)	
Weight(T)		2x30	
Anti-corrosion		C3/C4/C5(optional)	
IP Rating		Battery Compartment:IP54/P55(optional) Electrical Compartment:IP54	
Relative Humidity		0-95%(no condensation)	
Standard Altitude(m)		≤2000(>2000 derating)	
Efficiency		Up to 86%	
Communication Interface		CAN,Ethernet,RS485	
Communication Protocol		ModbusTCP/RTU,IEC61850,Goose	
<b>Compliance</b>		BMS	GB/T34131-2017;UL60730