

# 20ft 5MWh CONTAINERIZED C&I ESS

## YJC-EES-H-R-20ft 5MWh



### HIGH ENERGY DENSITY

20ft Containerized C&I ESS: 5.016 MWh



### SUPERIOR SAFETY

Integrated pack-level fire protection; Early warning for thermal runaway; Targeted fire suppression system; Grade 3 short-circuit protection; Grade 4 active safety mechanisms



### LONG LIFESPAN

In-house developed and manufactured cells, BMS, and EMS; Designed service life of over 15 years; Cell temperature difference < 2.5°C; System temperature rise < 5°C; Extended system lifespan by 20%



### WIDE COMPATIBILITY

Compatible with various fire protection protocols; Flexible integration with multiple electrical system designs



### HIGH SOC ACCURACY

SOC error < 1% under standard temperature; Precise charge/discharge management; Enhanced energy utilization; Improved response to peak shaving and frequency regulation



### INTELLIGENT OPERATION

Real-time data via cloud platform; Remote control and command dispatch; Smart energy tracking and analysis; Fault and thermal runaway warnings; Predictive maintenance and lifespan forecasting

Model	YJC-EES-H-R-20ft 5MWh
System Capacity	5015.96kWh
DC Side Power	2507.88kW
Rated Voltage	1331.2V
DC Voltage range	1164-1497V DC
Cell cycle Life	> 8000 cycles
Depth of Discharge	98% (single string)
Dimension (L*W*H mm)	6058(L)×2438(W)×2896(H)
Weight	42tons
Altitude	≤4000m
Humidity	0%-95%RH, No Condensation
Cooling System	Liquid Cooling
Cooling System Consumption	38kW
Aux. Power Consumption (continuous / peak incl. HV AC)	40kW
Working Temperature Range	-75°C
Relative Humidity	0%-95%RH, No Condensation
Communication Type	RS485/CAN/Ethernet
Operation Logic	Peak Shaving/Energy Shifting/Self-Consumption/Electricity Arbitrage
UPS Backup Power	Available (Standby for 2h)
Anti-Corrosion	C3H/C5 (Optional)
System-level Fire Protection	Perfluorohexanone + Water Fire Protection
PACK-level Fire Protection	PACK-level Perfluorohexanone
Fire Extinguishing	Aerosol
Combustible Gas Detection and Exhaust System	H <sub>2</sub> , CO Detection + Explosion-proof Fan
Pressure Relief Device	Available
Cloud Platform	Available
Protection Class	IP55
Certification	IEC62619/IEC62040-1/CE/VDE2510-50

