AC-coupled 20ft Container Energy storage system

SUVPR®

PV station | Wind power station | Frequency regulation | Grid side | Industrial and commercial

Product features:

Simple and flexible

- High integration, small size, easy installation, operation and maintenance
- IP54 protection grade, stronger environmental adaptability

Economical & friendly

- Reducing the maximum demand electricity cost, with considerable economic benefits
- Supporting peak shaving and valley filling, and dynamic expansion of transformers

Safe and reliable

- Built-in fire extinguishing , temperature control, early warning system multiple security guarantees
- Intelligent control system, which can be connected to the local monitoring system for unified management and control

Model	SNE－RESS500A －150K/250K
DC data	
Battery capacity(kWh)	500KWH
Number of battery racks	4
BMS communication interface	RS485/CAN
DC voltage range(V)	420V~850V
AC data	
Rated AC power(kW)	150KW~250KW
Max. AC power(kW)	150KW －250KW
Rated AC current(A)	216A~361A
Max. AC current(A)	238A~397A
DC current component	＜0.5%
THDi	＜3% (Rated power)
Rated grid voltage(V)	400V
Allowable grid voltage	320~460
Rated grid frequency(Hz) range(V)	50/60Hz
Allowable grid frequency range(Hz)	45－55/55－65Hz
Power factor	1lagging －1leading
Isolation method	With the isolation
General Data	
Ingress protection	IP54
Fire extinguishing system	Support
Operating temperature	－30～+55 ℃
Dimension W*D*H (mm)	6058 × 2591 × 2438mm / 20*8.6*8 ft
Weight (kg)	Customization
BMS communication mode	CAN, RS485
EMS communication mode	RS485, TCP/IP
PCS cooling way	Temperature control intelligent air cooling
Battery cooling way	Air conditioning cooling
Altitude	4,500m (>3,000 Derating)
Relative humidity	0 ~95% non －condensing