DC-coupled 40ft Container Energy storage system

SUVPR®

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

Product features:

Simple and flexible

- Standardized design, easy to expand and maintain
- Independent air duct design, more stable operation

Safe & reliable

- Support battery management system and comprehensive thermal management
- Improve the fault classification protection mechanism

Abundant configuration

- Diversified selection of equipment capacity
- Can be integrated with monitoring system

Model	SNE-RESS500K-1106M
DC data	
Battery capacity (MWh)	1.106MWH
Number of battery racks	8
BMS communication interface	RS485/CAN
DC voltage range (V)	600V~850V
Photovoltaic input	
Max.PV input voltage(V)	1000VDC
Max.PV power(kW)	600/660/720KW
MPPT voltage range(V)	200VDC-850VDC
MPPT voltage range@full load (V)	450VDC-850VDC
AC data	
Rated AC power(kW)	500KW
Max. AC power(kW)	550KW
Rated AC current(A)	722A
Max. AC current(A)	800A
DC current component	< 0.5 %
THDi	< 3% (Rated power)
Rated grid voltage(V)	400V
Allowable grid voltage range(V)	320V-460V
Rated grid frequency(Hz)	50/60Hz
Allowable grid frequency range	45-55/55-65Hz
Power factor	1lagging -1leading
Isolation method	No isolation
General data	
Ingress protection	IP54
Fire extinguishing system	support
Running time (full power)	2h
Operating temperature	-30~+55℃
Dimension W*D*H (mm)	12192 × 2438× 2896mm
Weight (T)	3.5T
BMS communication	RS485, CAN
EMS communication	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