





125kW/241kWh

Distributed Air-cooled Integrated Machine



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Convenient and flexible
 - ◆ High power density design, occupying only 1.21 m²
 - ◆ Modular, easily scalable, and easy to relocate
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Safe and reliable
 - ◆ Intelligent control with early system fault warning
 - ◆ Single-cluster precise control with electrical and fire safety isolation
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Cost-effective
 - ◆ PACK accordion duct-style air cooling design for more reliable temperature control
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Intelligent maintenance
 - ◆ Multiple control modes suitable for various application scenarios
 - ◆ Smart 3S system collaborative control with millisecond-level response

Dc Parameters	
Battery cell type	LFP 3.2V/314Ah
Battery module configuration	10.048kWh/1P10S
Battery pack configuration	20.096kWh/1P20S
Battery system configuration	241.152kWh/1P240S
Rated voltage	768V
Voltage range	672~864V
System capacity	241.152kWh
Rated charge/discharge power	0.5C
Ac Parameters	
Rated power(kW)	125
Maximum power(kW)	137.5
Rated current(A)	180
Wiring method	Three-phase four-wire
Allowed grid voltage(Vac)	380/400(-15%~15%)
Allowed grid frequency(Hz)	50/60(-2.5~2.5)
Total current harmonic distortion rate	≤3%
Voltage ripple coefficient	≤1
Power factor	0.99/~1
System Parameters	
Charge and discharge efficiency	> 92%
Charge and discharge rate	0.5C
Depth of discharge	90%DOD
Cycle life	≥6000cyc @25°C, 90%DOD, 80%EOL
Cabinet protection level	IP54
Battery pack protection level	IP20
Corrosion resistance level	C3/C5
Cooling method	Air cooling
Operating temperature	-20°C ~ 55°C
Operating humidity	5%~95%RH(Non-condensing)
Operating altitude	2000m(> 2000mDerating)
Fire suppression medium	Perfluorohexane (often referred to as PFH)
Maximum number of parallel units	10
Communication interface	Ethernet / RS485
Control method	Local EMS / Cloud platform / Mobile app
Three-phase imbalance management	Supported
Off-grid mode	Supported
Dimensions (W * D * H mm)	1100*1100*2000mm (W*D*H)
Weight (kg)	2600