nRuiT ENERGY SYSTEMS

OUTDOOR CABINET BESS



MODELS	200kWh
Battery Capacity	100-186kWh
PCS Compatibility	
Max PCS Units	3
AC Power Range	30kW (400 0r 480Vac & 350-750Vdc)*n units (n=1,2,3) 15kW (400 0r 480Vac & 150-350Vdc)*n units (n=1,2,3)
DCDC Charger Compatibility	
Max DCDC Units	3
PV Input Power	45kW *n units (n=1，2，3)
PV Input Voltage Range	200V-810V
Battery Compatibility	
Battery String Voltage Range	150-750Vdc
Auto-switch Compatibility	
Switching Time	Active Switching: Seamless　Passive Switching: 30ms
Physical	
Cooling	Forced air cooling for power electronics 5kW Air-conditioned for battery system (pre-installed)
Ingress Protection	IP54
Max Elevation	3000m/10000feet （> 3000m/10000feet derating）
Operating Ambient Temperature	-30°C ~ 55°C（Derate under 45°C）
Humidity	0~95% （Non-condensing）
Size (W×H×D)	W2100*D1200*H2350/W82.7*D47.2*H92.5 in
Weight	750KG（W/O Battery）
Optional Components	
FFS	heptafluoropropane, Fire detector
Built-in Transformer	400V/400V AC and 480V/480V AC，100kVA
Built-un Gateway	For Peak-shaving, demand charge management or back-up power supply.
Auxiliary Power	220V single phase built-in, up to 5kW transformer 120V built-in, up to 3kW
Salt Spray Prevention	Optional Salt spray prevention version with special coating and filter

Compatibility

Compatible with different battery brands, 150~750Vdc.
Grid-tied and Off-grid.
480Vac 3P4W & 240Vac 2P.
Optional PV input, Optional backup module.

Flexible

All-in-one design and highly integrated.
Modular design with different optional parts.

Easy-to-install

NEMA 3R / IP54 rated.
Parallel installation side-by-side or back-to-back.

Compliance

Global grid certified & listed PCS.
Compliance with global safety standards.