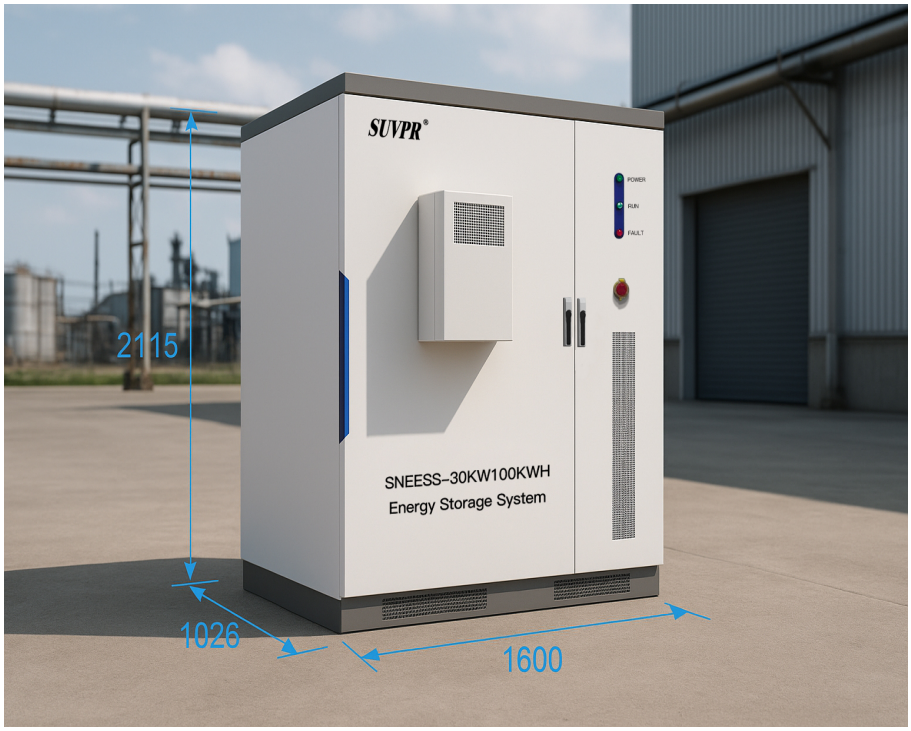
SUVPR 60KW&100KWH Outdoor Cabinet BESS



Product Features:

Simple and flexible
Integrate hybrid solar inverter, EMS and LiFePO4 Battery in one cabinet;
Support various working modes: self-consumption, peak shaving, time-of-use electricity price, battery priority, etc.
With grid-connected charging and discharging, off-grid independent inverter function;
Simple structure, small footprint, flexible layout, easy installation operation and maintenance;
Modular design, power and capacity can be expanded;
Communication is flexible, can accept BMS instructions in real time, communication methods are RS485, CAN;

Economical & Intelligent
The highest efficient power density, max. efficiency is 98.5%;
Low power consumption fan, with intelligent temperature control system;

Safe & Reliable
Use of high performance DSP, optimized control circuit design, better performance, more stable and safe system;
BYD battery cell (LFP) : more safety, longer life cycle ,more usable energy;
Built-in fire control, temperature control and warning system function for multiple security;
IP54 protection grade, stronger environmental adaptability;
Off-grid cold start function;

Model	**SNE-ESS60KR100C-R**
PV Input	
Max. Power(KW)	38.4kW+38.4kW
Max. DC Voltage(V)	850VDC
MPPT Voltage Range(V)	200~830 (430~750 @Full Load) V
MPPT Tracker	2
MPPT Strings	2
Max.Input Current of Each MPPT(A)	64A/64A

Battery Input	
Battery Type	Lithium Iron Phosphate(LiFePO4)
Battery Module	51.2V 200AH BYD Battery Module
Battery Capacity(KWH)	102.4KWH
Nominal Voltage(V)	512V
Battery Voltage Range(V)	432-608V
Number of Battery Clusters	1
Standard Charge/Discharge Current (A)	66A
Max. Charge Current (A)	100A
Max. Discharge Current (A)	100A
AC(on-grid)	
Max Output Power(KVA)	60KVA
Rated Power(KW)	60KW
Rated Grid Voltage(V)	3P4W, 400 (-20%~15%) Vac
Rated Frequency (Hz)	50/60((±2.5) Hz
THDI	<5%
Power Factor	0.8~0.8 Leading or Lagging
AC(Off Grid)	
Max Output Power(KVA)	66KVA
Rated Power(KW)	60KW
Rated Current(A)	43.5A
Rated Voltage(V)	3P3W+PE, 480 (±5% Configurable) Vac
Rated Frequency(Hz)	50/60((±5) Hz
Overload Capacity	87A<Iload≤96A/
General data	
Dimension W*D*H(mm)	1600*1026*2115MM
Weight(KG)	About 1500KG
Operation Temperature	-30℃ to +55℃
Relative Humidity	0 ~95% Non-condensing
Ingress Protection	IP54
Noise Emission(dB)	<70dB
Altitude	2,000m(>3,000 Derating)
Fire Extinguishing System	Support
PCS Cooling Way	Intelligent Fan
Battery Cooling Way	Air Conditioning Cooling
Display and Communication	
Display	LCD Touch-screen
BMS Communication	RS485/CAN
EMS Communication	RS485, TCP/IP
Standard	
Inverter Grid Regulation	CE，IEC62019，IEC62477，IEC6100，EN50549
Battery Standards	UN38.3/MSDS/IEC62619/CE