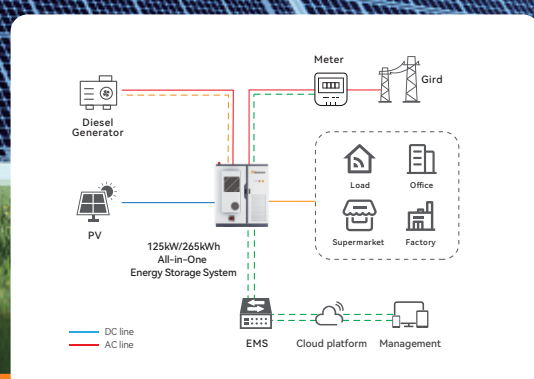


Vesol Integrated PV-Storage - Genset Hybrid System

Nezha Series BS07-265-ES-G

125kW/265kWh



Features



Advanced Battery Safety System

- Triple-layer protection architecture
- Real-time fault diagnosis
- Multi-level thermal runaway prevention



Integrated Fire Protection

- Multi-sensor early warning
- Automatic aerosol suppression
- <500ms response time



Flexible Load Management

- 3P4W unbalanced load support
- Dynamic phase compensation
- 0.9 leading/lagging PF adjustment



Intelligent Power Management

- High-precision SOC/SOH monitoring
- Adaptive charge/discharge control
- ≥99.9% system availability



Multi-Energy Integration

- Seamless PV/diesel/grid coupling
- Automatic source transfer (≤20ms)
- Hybrid power scheduling



Multi-Mode Operation

- Grid-connected/Islanding/Hybrid modes
- Black start capability
- Microgrid interoperability

Model	BS07-265-ES-G
Battery Parameters	
Battery Type	LiFePO ₄
Configuration	1P264S
Rated Battery Voltage	DC 844.8V
Nominal Capacity	314Ah
Battery Voltage Range	739.2~950.4V
Nominal Energy	265.267kWh
Usable Energy(kWh@90%DOD)	238.74kWh
Cycle Life	≥8000 Cycles(@25°C,0.5C,90%DOD,70%EOL)
Warranty Period	5+5 years
Cumulative Discharge Energy	426.0MWh
PV input Parameters	
Input Power	120kW
PV Open-circuit Voltage	DC 200~900V
MPPT Voltage Range	DC 200~700V
Start-up Voltage	250V
No. of MPPT Trackers	1
Max. PV Current	200A
Short-circuit Current	60A+60A+60A+60A
AC (On Grid)	
Rated Power	125kW
Output Voltage	AC 230/400V
Grid Frequency	50/60Hz
Grid Connection Form	3W+N+PE
Power Factor	0.99
Power Factor Range	-1(leading)~1(lagging)
THDi	<2%(rated power)
AC (off-grid)	
Rated Power	125kW
Output Voltage	AC 230/400V
Grid Frequency	50/60Hz
AC Voltage harmonic	<3%(Linear load)
Isolation Transformer Parameters	
Voltage	AC 400/400V
Capacity	150kVA
Max. Efficiency	≥97%
Short-Circuit Impedance	4%
Basic Parameters	
Dimension (W*D*H)	1758*1476*2135mm
Weight	3350kg
Operating Temperature Range(°C)	-30°C~55°C (> 45°C derating)
Relative Humidity	5%~90%(non-condensing)
IP Rating	IP54
Anti-corrosion Grade	C4(Optional C5)
Noise	75dB(<1m distance)
Altitude	≤2000m
Cooling Method	Intelligent Air Cooling (Battery compartment air conditioning,electrical compartment fan)
Certifications	UN38.3,MSDS,IEC62619(CB),IEC63056(CB),IEC62040-1(CB),CE-EMC,IEC62477-1,IEC60529