

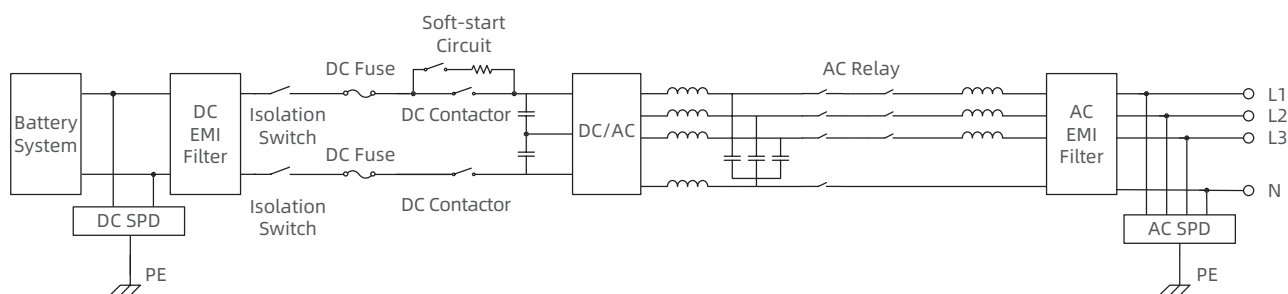
ESNV Series 130kW



FEATURES

- C&I product with battery rack DC-switches
- Modular design, easy to maintain
- Three-phase four-leg topology supports 100% unbalanced load
- IP66 protection degree for harsh environment
- PQ, VSG operating mode

TOPOLOGICAL GRAPH



PARAMETERS

Model	ESNV130K-AI-G01
DC Input	
DC Voltage Range	650~950V
Max. DC Current	230A
AC Output	
Rated Power	130kW
Max. Output Power	143kW
Reactive Power Range	0~136.5kvar
AC Connection	3W+N+PE
Isolation	Non-isolated
On-grid	
Rated Grid Voltage	400V
Voltage Range	340~440V
Rated Grid Frequency	50Hz / 60Hz
Frequency Range	45~55Hz / 55~65Hz
THDi	<3% (at rated power)
Power Factor	-1~1
Charge/Discharge Switchover Time	<100ms
Off-grid	
Rated Output Voltage	400V
Voltage Imbalance	<2% (steady-state), ≤4% (transient)
THDu	<3% (no load or rated resistive load)
Overvoltage Protection	Settable
Undervoltage Protection	Settable
General Data	
Grounding System	IT / TT / TN
Operating Ambient Temperature Range	-40~+60°C (derating above 45°C)
Allowable Relative Humidity Range	0~95%
Allowable Altitude Range	<4000m (derating above 3000m)
Anti-corrosion Class	C4 (C5 optional)
Surge Protection	Type II surge protective device (8 / 20μs)
Wiring Method	Quick plug terminals
Protection Degree	IP66
Indicator	LED indicator
Communication Interface	Ethernet / RS485 / CAN
Communication Protocol	Modbus TCP / Modbus RTU / CAN 2.0
Dimensions (W*H*D)	811*643*263mm (excludes hanging board)
Weight	≤85kg (net weight)
Standard Compliance	IEC 62477 and IEC 61000 (In progress) (Please contact Hopewind team for latest certifications)

Note: The parameters depicted in the ESNV130K-AI-G01 datasheet are preliminary version and shall not serve as a binding reference for product performance compliance. The final product specifications shall prevail per the actual shipped products.

