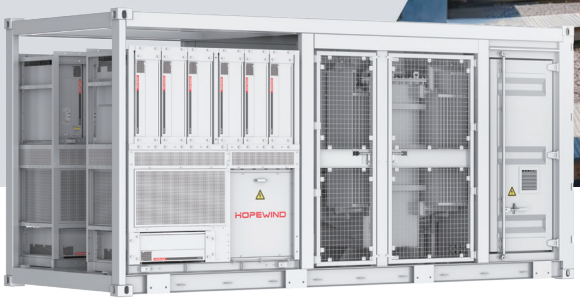
HOPEWIND

STRING PCS TURNKEY STATION

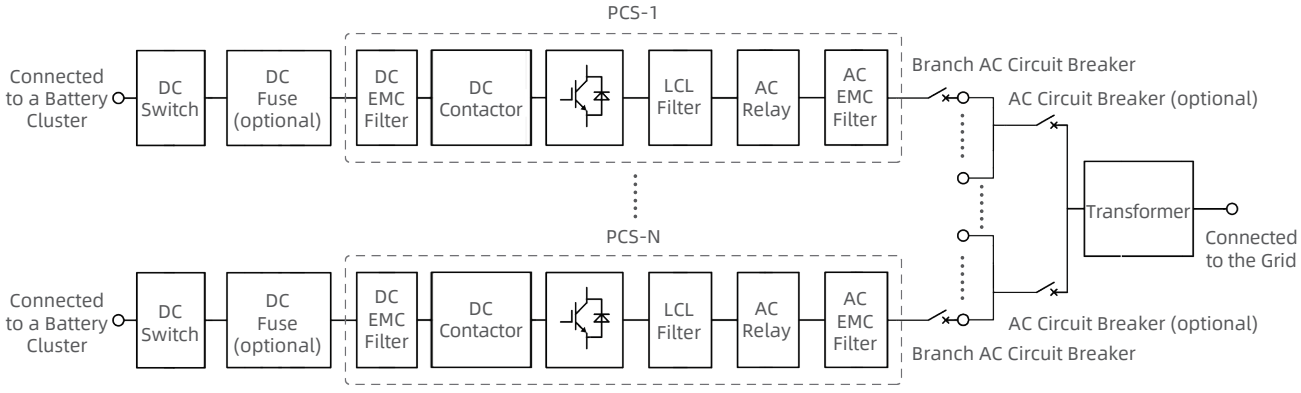
HPPS Series
1.25~3MW



FEATURES

- Rack-level management for batteries to address the issue of circulating current in parallel connections
- Modular design to prevent single point of failure
- Strong environmental adaptability with C4~C5 anti-corrosion degree available, and no derating at 45°C ambient temperature
- Flexible capacity configuration and customizable MV voltage level of 6~35kV
- PQ, VF, VSG operating modes with grid-forming function

TOPOLOGICAL GRAPH



PARAMETERS

Model	HPPS-1250B	HPPS-2500B	HPPS-3000B
DC Parameters			
Number of DC Input Channels	6	12	14
Max. DC Current	281A*6	281A*12	281A*14
DC Voltage Operating Range	1000~1500V		
AC Parameters			
Total Rated Power	1250kW	2500kW	3000kW
Max. Output Power	1375kVA	2750kVA	3300kVA
Rated Voltage	690Vac		
Isolation Mode	Transformer Isolation		
Reactive Power Range	0~1313kvar	0~2625kvar	0~3150kvar
On-grid Mode			
Rated Grid Voltage	6~35kV (customizable)		
Rated Grid Frequency	50Hz / 60Hz		
THDi	<3%		
Power Factor	-1~1		
Transformer Parameters			
Rated Capacity	1250kVA	2500kVA	3000kVA
Transformer Type	Oil-immersed Transformer		
LV/MV Voltage	0.69 / (6~35) kV		
System Parameters			
Dimensions (W*H*D)	6058*2896*2438mm		
Weight	≈12.5t	≈14t	≈18t
Operating Temperature	-40~+60℃ (derating above 45℃)		
Operating Humidity	0~100%		
Operating Altitude	≤4000m (no derating within 3000m)		
Protection Degree	IP54 (PCS IP66)		
BMS Communication	RS485 / CAN		
EMS Communication	Ethernet		
Communication Protocol	Modbus TCP / IEC 61850 / IEC 104 / Modbus RTU / CAN 2.0		
Standard Compliance	PCS: GB/T 34120-2023, IEC 62477-1, IEC 61000-3/-6, EN 50549-1/-2/-10, IEC60068-2, G99, VDE 4110/4120, NTS 2.1, IEC TS 62910, etc. MV Transformer: IEC 60076 (Please contact Hopewind team for latest certifications)		
Grid Support	H/LVRT, frequency adjustment function, voltage adjustment function, inertia response, etc.		

*The table only lists some models. Products can be customized for projects.
*Please refer to the latest physical product for any changes in specifications.