

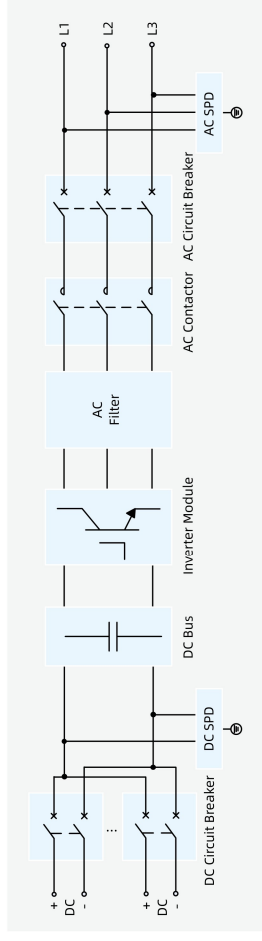
▶ 1.25MW/1.5625MW

Features

- The single-machine capacity is 1.25MW, 1.5625MW
- Three-level technology, with an efficiency of up to 99.11%, using film capacitor
- With nighttime SVG function, fast tracing speed, high precision and wide range
- Adapt to high temperature, high humidity, high altitude and other harsh environments
- Smaller size, higher power density, modular design for easier maintenance, saving on transportation and installation costs
- Max. DC input voltage up to 1500V, AC output voltage 550V/600V/630V, reducing system costs
- Through the HVRT/LVRT certification test of the China Electric Power Research Institute, the batch application of 1500V power station system is satisfied



Product Principle



Specifications (1250kW/1562.5kW/DC1500V)

Model		HPHV1250-550	HPHV1250-630	HPHV1562.5-550	HPHV1562.5-600	HPHV1562.5-630
DC Input	MPPT Voltage Range	800V ~ 1450V				
	Max. DC Voltage	1500V				
	Number of DC Inputs	6 Inputs (24 Combiner Box/Input) 9 Inputs (16 Combiner Box/Input)	7 Inputs (24 Combiner Box/Input) 11 Inputs (16 Combiner Box/Input)			
	Max. String Current	400A				
AC Output	Rated Output Power	1250kW	1562.5A			
	Max. Output Power	1375kW	1718.7kW	1719kW	1719kW	1718.7kW
	Rated Output Current	1312A	1146A	1640A	1504A	1432A
AC Output	Max. Output Current	1443A	1261A	1804A	1654A	1575A
	Rated Output Voltage	550V	630V	550V	600V	630V
	Operating Voltage Range	440V ~ 632V	504V ~ 724V	440V ~ 632V	480V ~ 690V	504V ~ 724V
System Parameters	Rated Grid Frequency	50Hz / 60Hz				
	Operating Frequency Range	±3Hz				
	THD	<3% (Rated Power)				
	DC Current Component	<0.5% (Rated Output Current)				
Mechanical Parameters	Power Factor	0.8(ind.) to 0.8(cap.)				
	Max. Efficiency	99.00%	99.02%	99.11%	99.00%	99.01%
	European Efficiency	98.47%	98.50%	98.47%	98.50%	98.50%
	Standby Power Consumption	<100W				
	Cooling System	Forced Air-cooling				
	Protection Level	IP20				
	Operating Temperature Range	-40°C ~ +55°C (Operation with derating above 40°C)				
Storage Temperature Range	-40°C ~ +70°C					
Mechanical Parameters	Operating Altitude ①	≤5000m (Operation with derating above 4000m)				
	Relative Humidity	0% ~ 95%, no condensation				
	LVRT	Zero voltage ride through is satisfied				
	Communication	RS485, Ethernet				
Mechanical Parameters	Dimensions (W*H*D) ②	1600*150*800mm				
	Weight	≤1300kg				

① Please contact HOPEWIND for application over 4000m altitude.

② Dimension excludes screws, locks, etc.

