

1500V String Power Conversion System

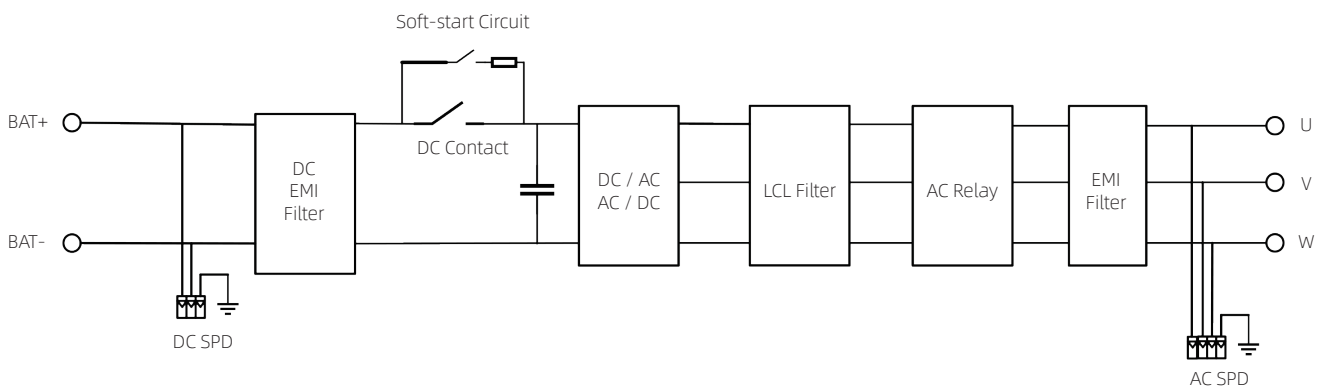
ESHV Series

FEATURES

- Three-level technology, max. efficiency up to 99%
- Small size & high power density
- Modular design enables accurate management of battery
- IP66 & optional C3~C5 anti-corrosive for harsh environment
- Supports multi-module parallel connection
- Flexible configuration
- PQ, VSG and other functions



TOPOLOGY DIAGRAM



PARAMETERS

Rated Power		186kW	215kW	250kW
DC Input	DC Voltage Range	1000~1500V		
	Max. DC Current	209A	241A	281A
AC Output	Rated Power	186kW	215kW	250kW
	Max. Output Power	205kVA	237kVA	275kVA
	Reactive Range	0~195kvar	0~226kvar	0~263kvar
	AC Connection	3W+PE		
	Isolation	No-isolation		
On-Grid	Rated Grid Voltage	690V		
	Voltage Range	586V~759V		
	Rated Grid Frequency	50Hz		
	Frequency Range	45Hz~55Hz		
	THD	<3% (At rated power)		
	Power Factor	-1~1		
	Charge-Discharge Time	<20ms		
Off-Grid	Rated Output Voltage	690V		
	Voltage Imbalance	<2%, No more than 4% in a short period of time		
	HDU	<3% (No load or rated resistive load)		
	Voltage Transient Range	<10% (Resistive load/balanced load. Load change suddenly from 20% to 100% or from 100% to 20%)		
	Overvoltage Protection	Settable value		
	Undervoltage Protection	Settable value		
General Data	Ground System	IT		
	Max. Efficiency	99%		
	Ambient Temperature	-40°C~+60°C (Derating above 45°C)		
	Humidity Range	0~100%		
	Altitude	<5000m (Derating above 3000m)		
	Noise	75dB		
	DI Port	4 paris		
	DO Port	2 paris		
	Corrosion	C3 (C4 / C5 is optional)		
	Surge Protection	DC Type II / AC Type III		
	Wiring Method	Bottom in and bottom out (Quick plug terminal)		
	Protection Degree	IP66		
	Cooling Method	Smart air-cooling		
	Indicator	LED indicator		
	Communication	Ethernet, RS485, CAN, local debugging WiFi (Optional)		
	Communication Protocol	Modbus TCP / RTU		
	Dimensions (W*H*D)	795*875*293.5mm (Excludes hanging board)		
Weight	≤100kg (Net weight)			
Certification	CQC, HVRT / LVRT, IEC61000, IEC62477, EN50549			