

EH Series

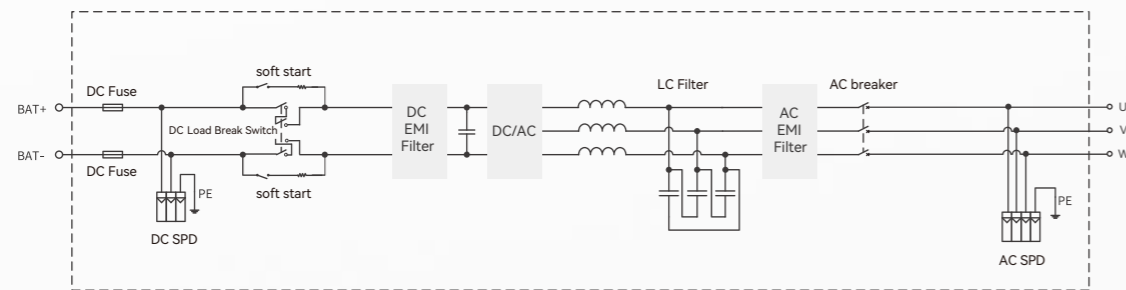
Power Conversion System (Central PCS, 1500V)

Features

- Max. efficiency up to 98.9%
- Full reactive power four-quadrant capability
- Support VSG function
- Millisecond-level Power response to EMS/SCADA
- NEMA TYPE 3R protection degree
- Black start ability
- Three level topology
- Use alone or in combination with MV station



Circuit Diagram



Model	EH-1725-HA-UD-US	EH-2000-HA-UD-US
DC parameters		
Max. DC voltage	1500V	
Max. DC current	1936A	2245A
Battery voltage range	1000 ~ 1500V	
Number of DC input	1	
AC parameters (On-Grid)		
AC output power	1897.5kVA @30°C, 1725kVA@45°C	2200kVA@30°C, 2000kVA@45°C
Nominal AC voltage	690V, 3W+PE	
AC voltage range	607~759V (Adjustable)	
Max. AC output current	1588A@30°C, 1443A@45°C	1841A@30°C, 1674A@45°C
Nominal grid frequency	60Hz	
Harmonic (THDi)	<1.5% (100% load)	
Power factor range	-1 ~ +1	
AC parameters (Off-Grid)		
Nominal AC voltage	690V, 3W+PE	
AC voltage range	607~759V (Adjustable)	
AC voltage distortion	<1.5% (100% linear balance load)	
DC voltage component	<0.5% Un (Linear balance load)	
Unbalanced load capacity	100%	
Nominal grid frequency	60Hz	
General Data		
Isolation mode	Transformerless	
Max. efficiency	98.90%	
CEC efficiency	98.50%	
Ingress protection rating	TYPE 3R	
Operating temperature range	-40~+60°C (>45°C derating)	
Relative humidity	0~100% (no condensing)	
Max. altitude	5000m (>3000m derating)	
Cooling method	Forced air cooling	
Communication port	RS485/CAN/Ethernet/Bluetooth	
Dimensions (W*D*H)	1150×1435×2350mm	
Weight	1500kg	

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