

# EH Series

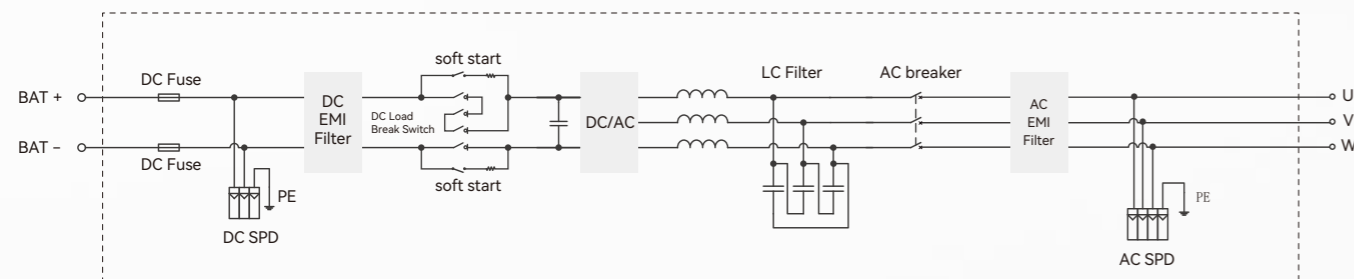
## Power Conversion System (Central PCS, 1500V)

### 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-1250-HB-UD-US
<b>DC Parameters</b>	
Max. DC voltage	1500V
Max. DC current	1403A
Battery voltage range	1000 ~ 1500V
Number of DC input	1
<b>AC parameters (On-Grid)</b>	
AC output power	1375kVA@30°C, 1250kVA@45°C
Nominal AC voltage	690V,3W+PE
AC voltage range	607~759V (Adjustable)
Max. AC output current	1151A@30°C, 1046A@45°C
Nominal grid frequency	60Hz
Harmonic (THDi)	<3% (100% load)
Power Factor	-1 ~ +1
<b>AC parameters (Off-Grid)</b>	
Nominal AC voltage	690V,3W+PE
AC voltage range	607-759V(Adjustable)
AC voltage distortion	<1.5% (100% linear load)
DC voltage component	<0.5% Un (Linear balance load)
Unbalanced load capacity	100%
Nominal grid frequency	60Hz
<b>General Data</b>	
Isolation mode	Transformerless
Max. efficiency	98.9%
CEC efficiency	98.5%
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)	675×1250×2350mm
Weight	950kg