

EH Series

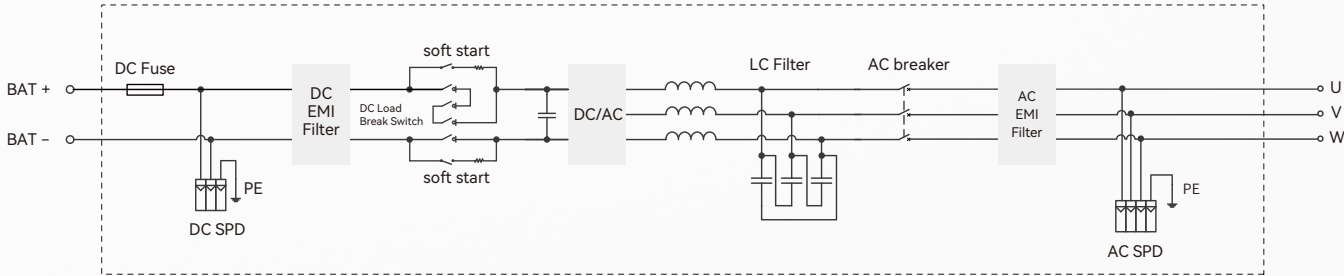
Power Conversion System (Central PCS, 1500V)

Features

- Max. efficiency up to 99%
 - Full reactive power four-quadrant capability
 - Support grid-forming function
 - Millisecond-level power response to EMS/SCADA
- IP65 protection degree
 - Intelligent multi-stage fan speed regulation
 - Modular design for easy O&M
 - Use alone or in combination with MV station



Circuit Diagram



Model	EH-1725-HB-UD
DC Parameters	
Max. DC voltage	1500V
Max. DC current	1936A
Battery voltage range	1000 ~ 1500V
Number of DC input	1
AC parameters (On-Grid)	
AC output power	1898kVA@30°C, 1725kVA@45°C, 1600kVA@50°C
Nominal AC voltage	690V,3W+PE
AC voltage range	607~759V (Adjustable)
Max. AC output current	1588A
Nominal grid frequency	50/60Hz
Harmonic (THDi)	<1.5% (100% load)
Power Factor	-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 load)
DC voltage component	<0.5% Un (Linear balance load)
Unbalanced load capacity	100%
Nominal grid frequency	50/60Hz
General Data	
Isolation mode	Transformerless
Max. efficiency	99%
European efficiency	98.5%
Ingress protection rating	IP65
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 interface	RS485/CAN/Ethernet/Bluetooth
Dimensions (W*D*H)	725x1250x2350mm
Weight	1100kg