

EH Series

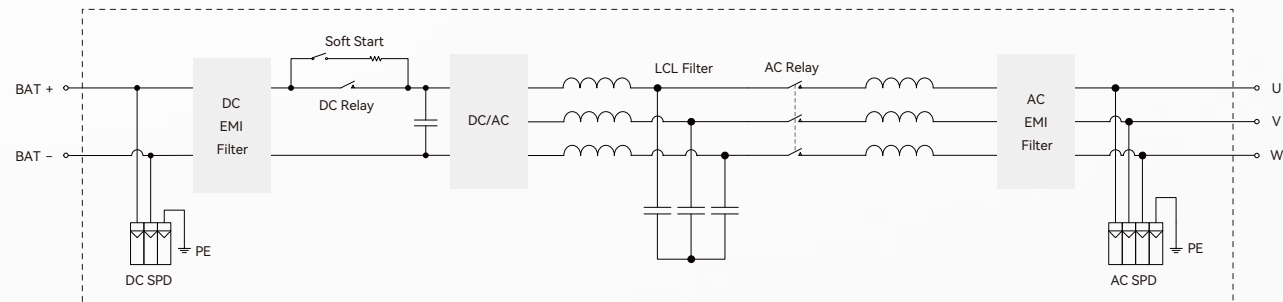
Power Conversion System (String PCS, 1500V)

Features

- Fit for 6.25MW PCS MV station into 20feet container
- Charge/discharge each battery string independently
- Modular design easy replacement
- Compatible with 500+Ah battery cell
- High efficiency up to 99%
- Liquid cooling for better heat dissipation
- High discharge capacity
- Support grid forming and black start



Circuit Diagram



Model	EH-0430-HA-M
DC Parameters	
Max. DC voltage	1500V
Max. DC current	483A
Battery voltage range	1000 ~ 1500V
Number of DC input	1
AC parameters (On-Grid)	
AC output power	473kVA@30°C, 430kVA@45°C, 400kVA@50°C
Nominal AC voltage	690V,3W+PE
AC voltage range	607~759V (Adjustable)
Max. AC output current	396A
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	IP66
Operating temperature range	-40~+60°C
Relative humidity	0~100% (no condensing)
Max. altitude	5000m (>3000m derating)
Cooling method	Intelligent liquid cooling
Communication interface	RS485/CAN/Ethernet
Dimensions (W*D*H)	860×740×235mm
Weight	140kg