

EH Series

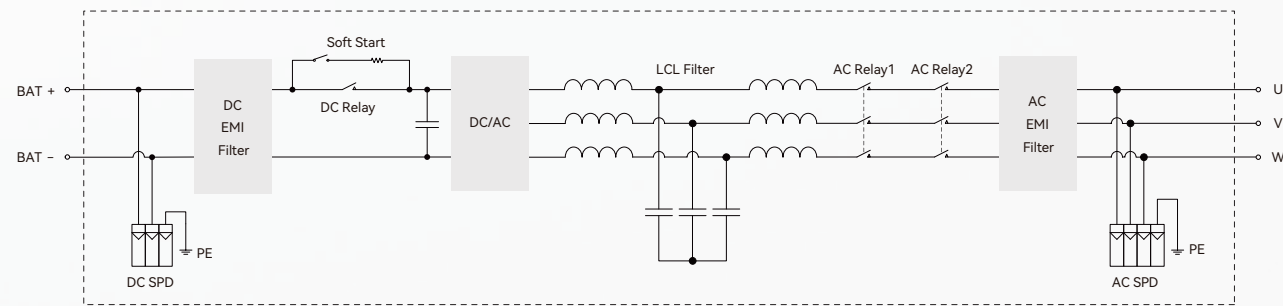
Power Conversion System (String PCS, 1500V)

Features

- Charge/discharge each cluster independently
- Fast plug and play, easy expansion
- C5M anti-corrosion grade
- Parallel in AC side (Max. 40 set)
- Grid-forming/black start capability
- Safe and reliable IP66 protection
- Modular design Philosophy
- No need advanced technical service personnel
- Horizontal and vertical mounting thermal design
- Higher battery capacity utilization



Circuit Diagram



Model	EH-0200-HA-M		EH-0215-HA-M
DC Parameters			
Max. DC voltage	1500V		
Max. DC current	224.5A	241.3A	
Battery voltage range	1000 ~ 1500V		
Number of DC input	1		
AC parameters (On-Grid)			
AC output power	220kVA@35°C, 200kVA@45°C	236.5kVA@35°C, 215kVA@45°C	
Nominal AC voltage	690V,3W+PE		
AC voltage range	607~759V (Adjustable)		
Max. AC output current	184.1A@35°C, 167.4A@45°C	197.9A@35°C, 179.9A@45°C	
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(>45°C derating)		
Relative humidity	0~100% (no condensing)		
Max. altitude	4000m (>3000m derating)		
Cooling method	Forced air cooling		
Communication port	RS485/CAN/Ethernet		
Dimensions (W*D*H)	810×275×845mm		
Weight	98kg		