

EH Series

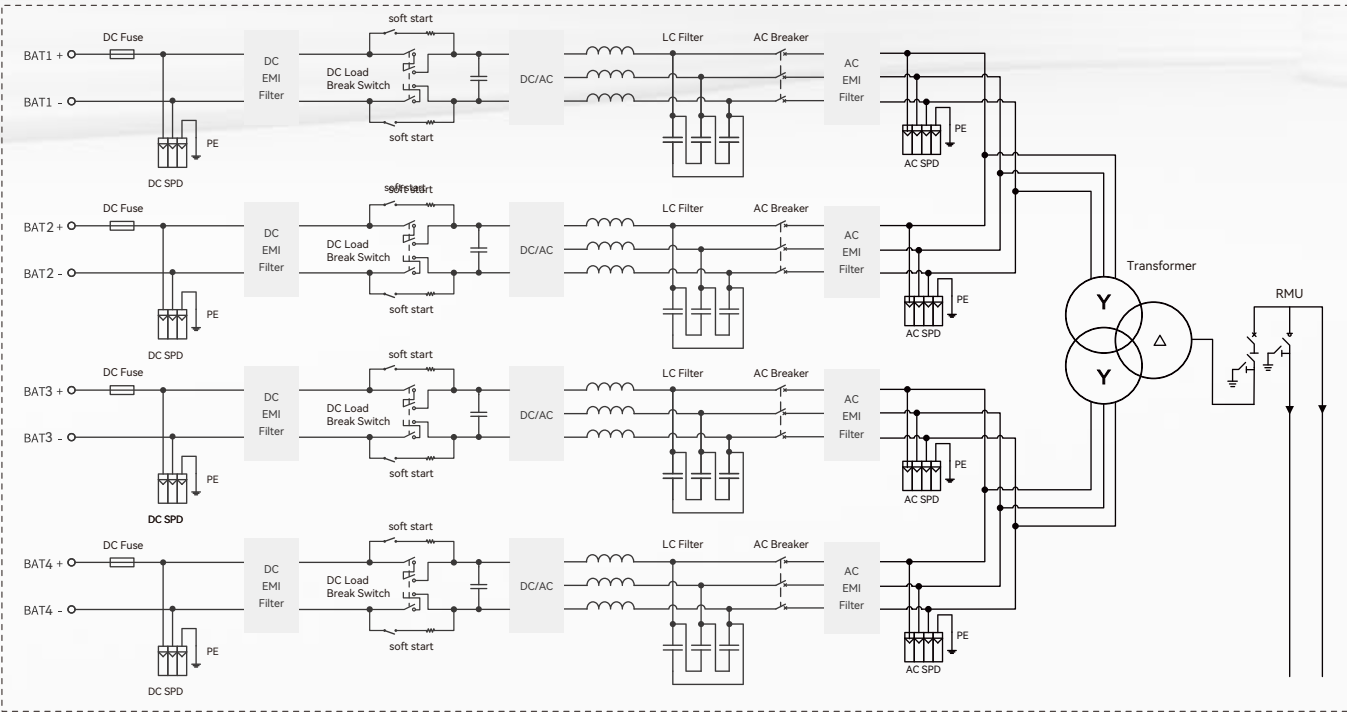
Turnkey Station With MV Transformer Integrated (Central PCS, 1500V)

Features

- PCS MV skid Max. efficiency up to 98%
- Full reactive power four-quadrant capability
- support grid-forming function
- Millisecond-level power response to EMS/SCADA
- IP65 protection for PCS, IP54 for MV station
- 40ft container for easy shipment and installation
- MV Transformer and RMU pre-assembled
- Designed for harsh environments



Circuit Diagram



Model	EH-6900-HA-UD-10~33		EH-8000-HA-UD-10~33	
DC Parameters				
Max. DC voltage	1500V			
Max. DC current	1936A*2		2245A*8	
Battery voltage range	1000 ~ 1500V			
Number of DC inputs	4			
AC parameters (On-Grid)				
AC Output power	7590kVA@30°C, 6900kVA@45°C, 6000kVA@50°C		8800kVA@30°C, 8000kVA@45°C, 7000kVA@50°C	
PCS AC voltage range	607~759V (Adjustable)			
PCS Max. AC current	3680A			
PCS Max. AC current	1588A*4		1841A*4	
Nominal grid frequency	50/60Hz			
Harmonic (THDi)	<1.5% (100% load)			
Power Factor	-1 ~ +1			
AC parameters (Off-Grid)				
PCS Nominal AC voltage	690V, 3W+PE			
PCS 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			
Transformer				
Isolation mode	Oil-Immersed Transformer			
Transformer rated power	7590kVA@30°C, 6900kVA@45°C, 6000kVA@ 50°C		8800kVA@30°C, 8000kVA@45°C, 7000kVA@50°C	
LV/MV voltage	0.69kV/33kV (10kV~33kV optional)			
Transformer vector	Dy11y11			
Transformer cooling type	ONAN			
Oil type	Mineral oil			
General Data				
PCS Max. efficiency	99%			
PCS European efficiency	98.5%			
Ingress protection rating	IP54			
Operating temperature range	-40~+60°C			
Relative humidity	0~100% (no condensing)			
Max. altitude	< 2000m (standard) / 2000~5000m (optional)			
Cooling method	Forced air cooling			
Communication interface	RS485/CAN/Ethernet/Bluetooth			
Dimensions (W*D*H)	12192×2438×2896mm			
Weight	29t		31t	