

EH Series

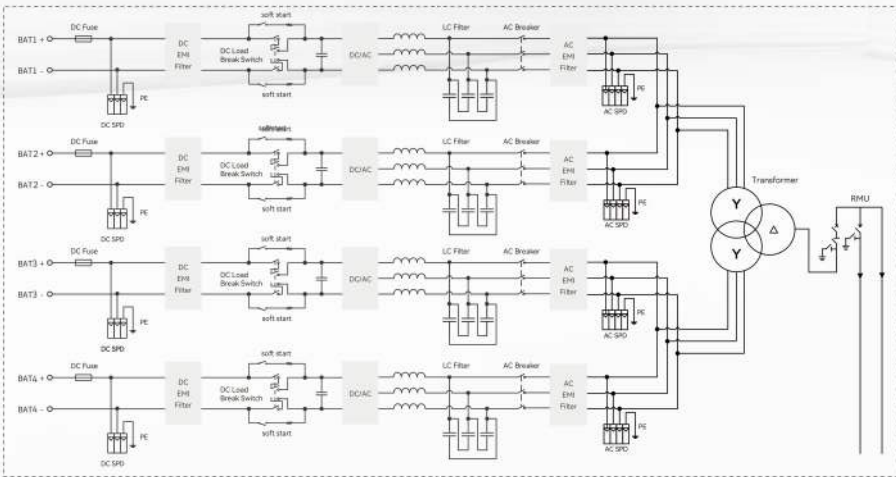
Turnkey Station With MV Transformer Integrated (Central PCS, 1500V)

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-20-33		EH-8000-HA-UD-20-33
DC Parameters			
Max. DC voltage	1500V		
Max. DC current	1936A*4	2245A*4	
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 (20kV~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