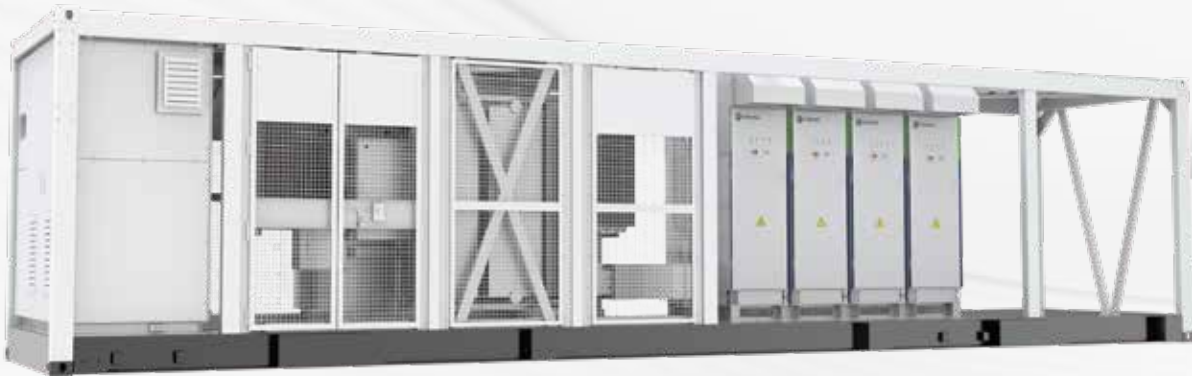


EH Series

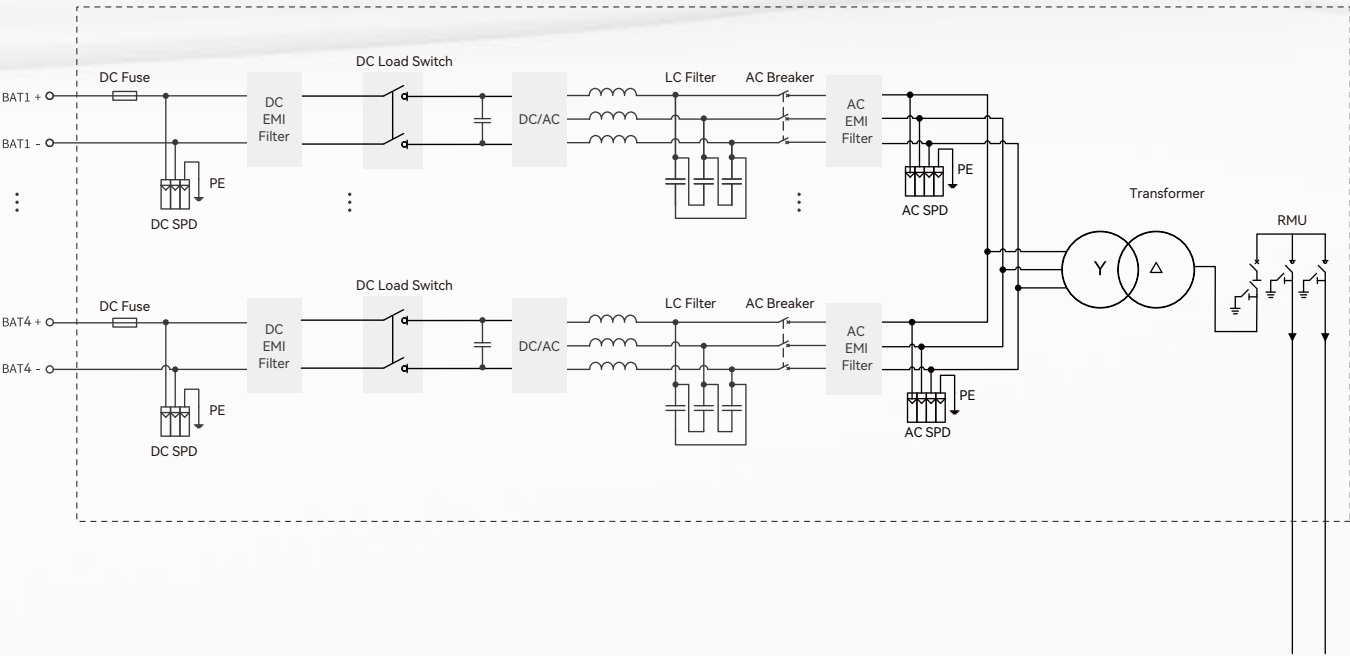
Turnkey Station With MV Transformer Integrated (Central PCS, 1500V)

Features

- PCS Max. efficiency up to 99%
 - 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-5000-HB-UD-10~33
DC parameters	
Max. DC voltage	1500V
Max. DC current	1403A*4
Battery voltage range	1000 ~ 1500V
Number of DC inputs	4
AC parameters (On-Grid)	
AC output power	5500kVA@35℃, 5000kVA@45℃, 4625kVA@50℃
PCS nominal AC voltage	690V, 3W+PE
PCS AC voltage range	607~759V (Adjustable)
PCS max. AC current	1151A*4
Nominal grid frequency	50/60Hz
Harmonic (THDi)	<3% (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	< 3% (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	5500kVA@30℃, 5000kVA@45℃, 4625kVA@50℃
LV/MV voltage	0.69kV/33kV (10~33kV optional)
Transformer vector	Dy11
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℃ (>45℃ derating)
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	31t