

EH Series

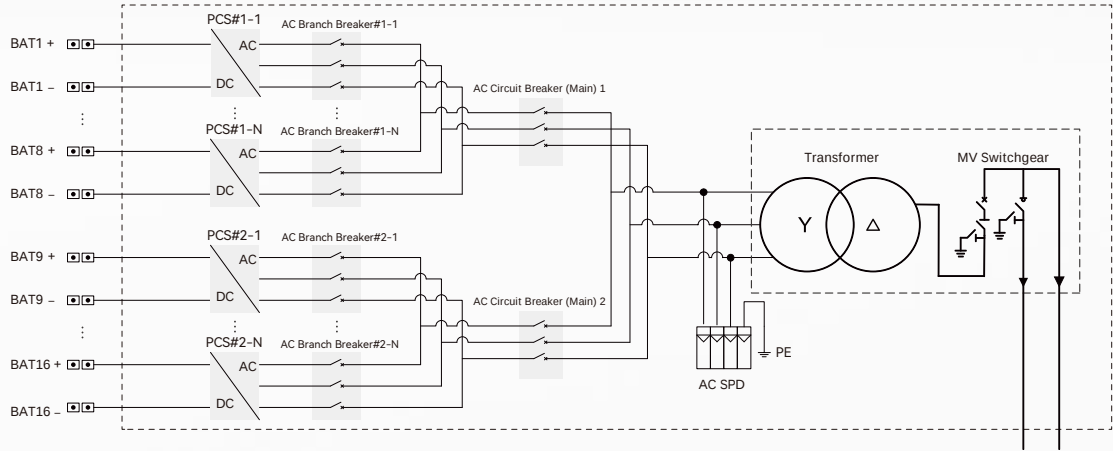
Turnkey Station With MV Transformer Integrated (String PCS, 1500V)

Features

- 200 kW fold expansion up to 3.2MW inside 20 ft structure
- Power module easily replacement reduce repair time
- Achieve higher battery capacity utilization
- Allow expand new battery cluster to the old system
- Solve SOC imbalance between different battery clusters
- Battery system achieve more deep DOD ability
- Built in sub-array management unit support IEC 61850
- More easily to perform periodic battery calibration



Circuit Diagram



Model	EH-2400-HA-MR-35		EH-3200-HA-MR-35	
DC Parameters				
Max. DC voltage	1500V			
Max. DC current	224.5A*12		224.5A*16	
Battery voltage range	1000 ~ 1500V			
Number of DC inputs	12		16	
AC parameters (On-Grid)				
AC Output power	220kVA*12@35°C, 200kVA*12@45°C		220kVA*16@35°C, 200kVA*16@45°C	
PCS AC voltage range	607~759V (Adjustable)			
PCS Max. AC output current	184.1A*12@35°C, 167.4A*12@45°C		184.1A*16@35°C, 167.4A*16@45°C	
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	2640kVA@35°C, 2400kVA@45°C		3520kVA@35°C, 3200kVA@45°C	
LV/MV voltage	0.69kV/35kV (10kV~35kV Optional)			
Transformer vector	Dy11			
Transformer cooling type	ONAN (Optional: KNAN)			
Oil type	Mineral oil (PCB free) or degradable oil on request			
General Data				
PCS Max. efficiency	99%			
PCS European efficiency	98.5%			
Ingress protection rating	IP54			
Operating temperature range	-40~+60 °C(>45°C derating)			
Relative humidity	0~100% (no condensing)			
Max. altitude	4000m (>2000m derating)			
Cooling method	Forced air cooling			
Communication port	RS485/CAN/Ethernet			
Dimensions (W*D*H)	6058×2438×2896mm			
Weight	15000kg		16000kg	