

EH Series

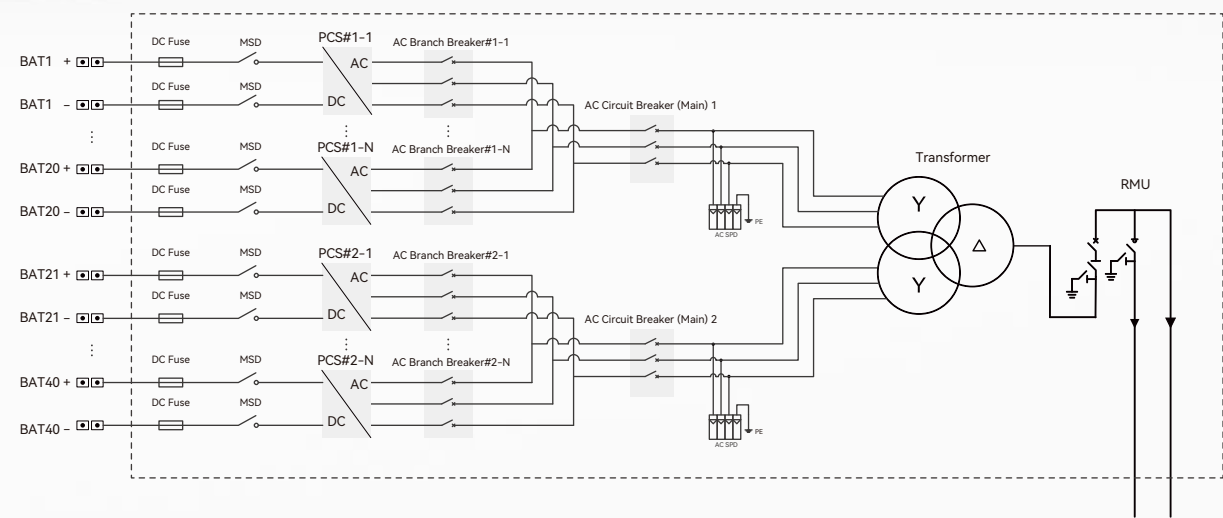
Turnkey Station With MV Transformer Integrated (String PCS, 1500V)

Features

- 40ft container for easy shipment and installation
 - Achieve higher battery capacity utilization
 - Improve SOC imbalance between different battery clusters
 - Built in sub-array management unit support IEC 61850
- Power module easily replacement reduce repair time
 - Allow expand new battery cluster to the old system
 - Battery system achieve more deep DOD ability
 - More easily to perform periodic battery calibration



Circuit Diagram



Model	EH-8000-HA-MR-10~33		EH-8600-HA-MR-10~33	
DC Parameters				
Max. DC voltage	1500V			
Max. DC current	224.5A*40		241.3A*40	
Battery voltage range	1000 ~ 1500V			
Number of DC inputs	40		40	
AC parameters (On-Grid)				
AC Output power	220kVA*40@35°C, 200kVA*40@45°C		236.5kVA*40@35°C, 215kVA*40@45°C	
PCS Nominal AC voltage	690V, 3W+PE			
PCS AC voltage range	607~759V (Adjustable)			
PCS Max. AC output current	184.1A*40@35°C, 167.4A*40@45°C		197.9A*40@35°C, 179.9A*40@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	8800kVA@35°C, 8000kVA@45°C		9460kVA@35°C, 8600kVA@45°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 (>45°C derating)			
Relative humidity	0~100% (no condensing)			
Max. altitude	< 2000m (standard) / 2000~4000m (optional)			
Cooling method	Forced air cooling			
Communication interface	RS485/CAN/Ethernet			
Dimensions (W*D*H)	12192×2438×2896mm			
Weight	29t		30t	