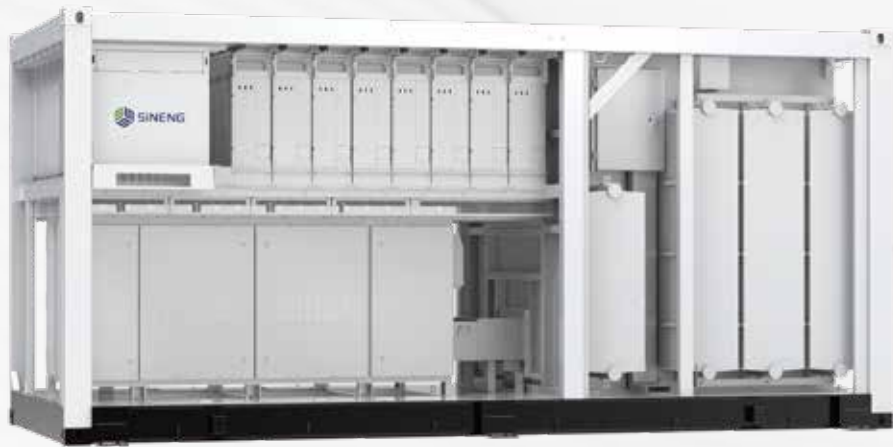


EH Series

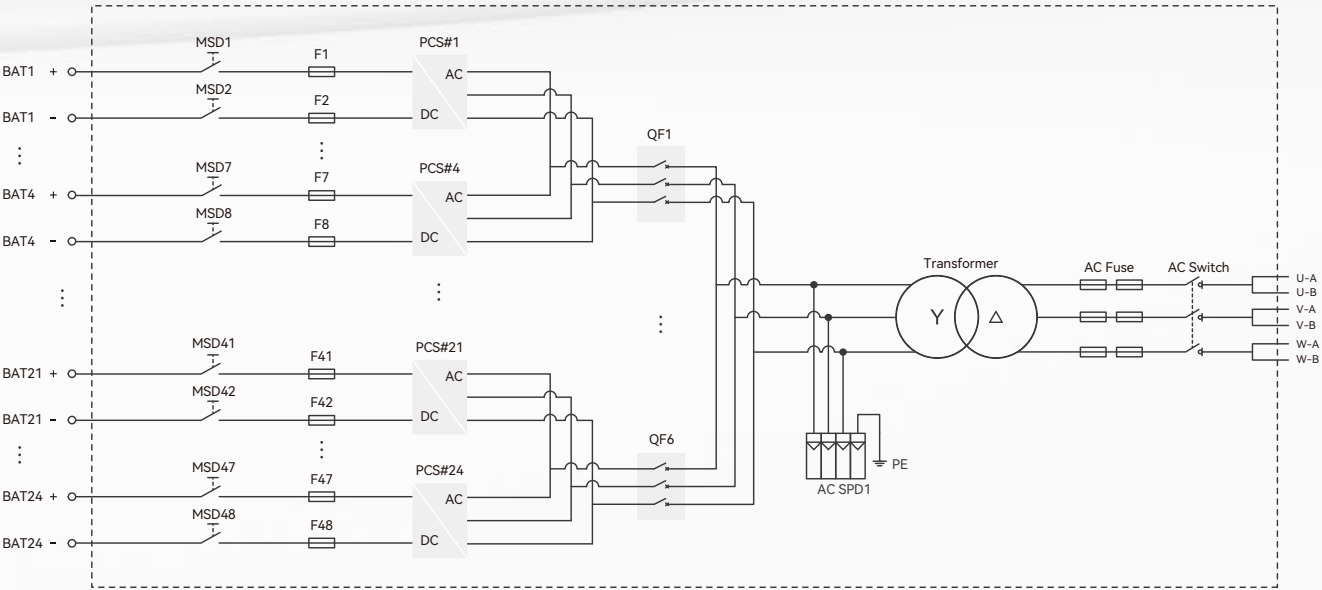
Turnkey Station With MV Transformer Integrated (String PCS, 1500V)

Features

- 20ft container for easy shipment and installation
- Power Module easily replacement reduce repair time
- Achieve higher battery capacity utilization
- Allow expand new battery cluster to the old system
- Improve SOC imbalance between different battery racks
- Battery system achieve more deep DOD ability
- Built in Sub-Array Management Unit support IEEE 2030.5
- More easily to perform periodic battery calibration



Circuit Diagram



Model	EH-4800-HA-MR-US-34.5		EH-5160-HA-MR-US-34.5	
DC parameters				
Max. DC voltage	1500V			
Max. DC current	224.5A*24		241.3A*24	
Battery voltage range	1000 ~ 1500V			
Number of DC inputs	24 or 12			
AC parameters (On-Grid)				
AC output power	220kVA*24@35°C, 200kVA*24@45°C		236.5kVA*24@35°C, 215kVA*24@45°C	
PCS Nominal AC voltage	690V, 3W+PE			
PCS AC voltage range	607~759V (Adjustable)			
PCS Max. AC output current	184.1A*24@35°C, 167.4A*24@45°C		197.9A*24@35°C, 179.9A*24@45°C	
Nominal grid frequency	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 balance load)			
DC voltage component	<0.5% Un (Linear balance load)			
Unbalanced load capacity	100%			
Nominal grid frequency	60Hz			
Transformer				
Isolation mode	Oil-Immersed Transformer			
Transformer rated power	5280kVA@35°C, 4800kVA@45°C		5676kVA@35°C, 5160kVA@45°C	
LV/MV voltage	0.69kV/34.5kV			
Transformer vector group	Dy1 or Dy11			
Transformer cooling type	KNAN			
Oil type	Degradable oil			
General data				
PCS Max. efficiency	99%			
PCS CEC efficiency	98.5%			
Ingress protection rating	TYPE 3R			
Operating temperature range	-40~+60°C (>45°C derating)			
Relative humidity	0~100%			
Max. altitude	1000m			
Cooling method	Forced air cooling			
Communication port	RS485/CAN/Ethernet			
Dimensions (W×D×H)	6058×2438×2896mm			
Weight	20000kg		21000kg	