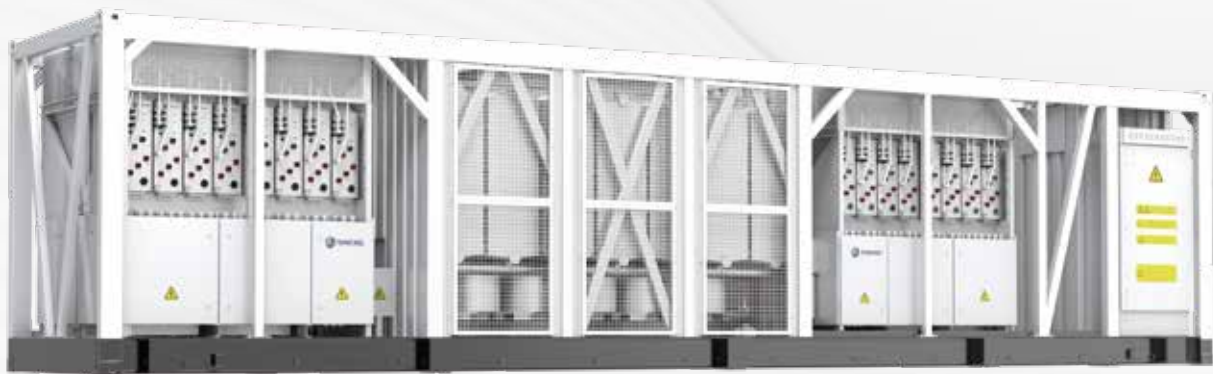


EH Series

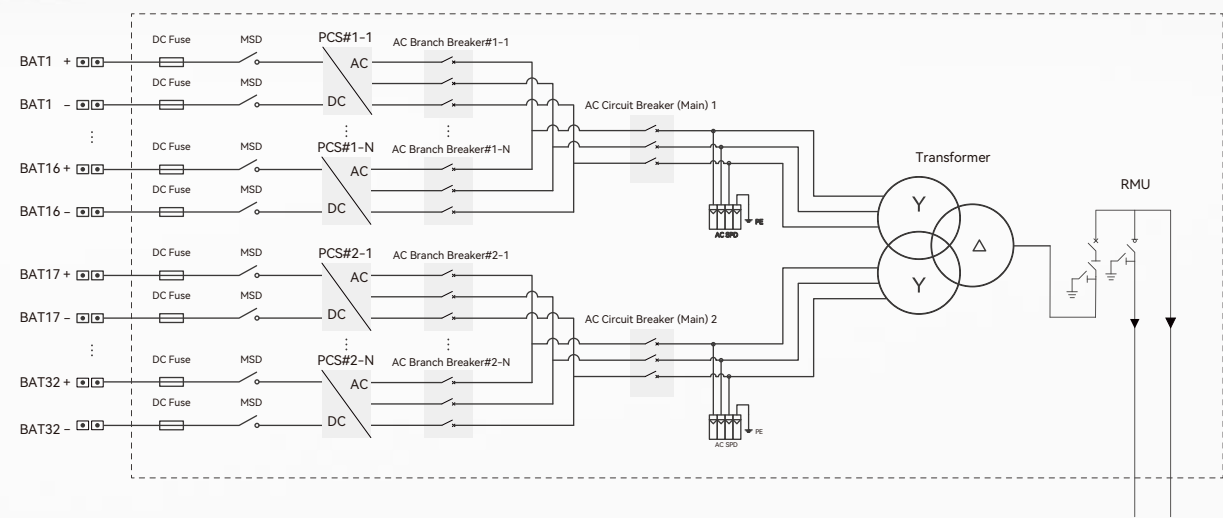
Turnkey Station With MV Transformer Integrated (String PCS, 1500V)

Features

- 40ft 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 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-12500-HA-MR-10~33
DC Parameters	
Max. DC voltage	1500V
Max. DC current	480A*32
Battery voltage range	1000 ~ 1500V
Number of DC inputs	32
AC parameters (On-Grid)	
AC Output power	13750kVA@45°C, 12500kVA@50°C
PCS Nominal AC voltage	690V, 3W+PE
PCS AC voltage range	607~759V (Adjustable)
PCS Max. AC output current	11506A
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	13750kVA@45°C, 12500kVA@50°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
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	35t