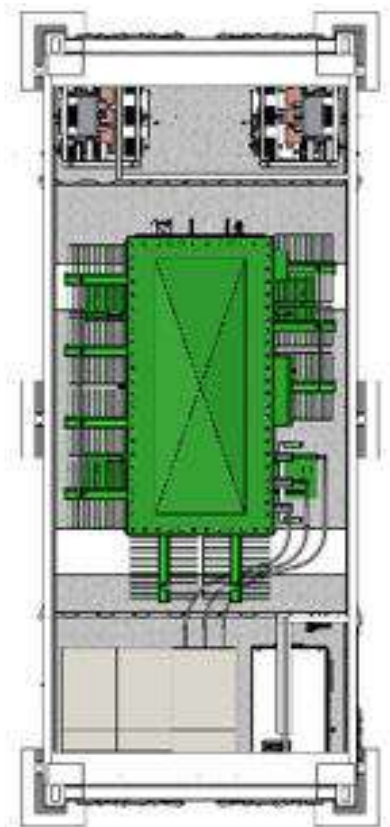




Brief Description

Our state-of-the-art Medium Voltage (MV) Station is designed to optimize the performance and reliability of photovoltaic (PV) installations. This compact and robust solution integrates seamlessly with PV systems, ensuring efficient energy conversion and distribution.



Advantages

- Integrated and Economic
 - Assembled and tested in factory reducing largely works onsite and commissioning times
 - Standard container design for easy transportation
 - High capacity, reduce quantity of MV equipment, save investment of the whole plant
- Stable and reliable
 - C4/C5 anti-corrosion, adaptable to harsh environments
- Standards
 - Comply with standard IEC60076, IEC62271-200/202, IEC61439 e EN50588-1
 - RTIEBT, RSSPTS

	3MW	6MW	9MW
Input			
Max. LV Inputs	10	20	28
AC Power	3630kVA@30°C 3300kVA@40°C 3000kVA@50°C	7260kVA@30°C 6600kVA@40°C 6000kVA@50°C	10164kVA@30°C 9240kVA@40°C 8400kVA@50°C
Rated Input Voltage	800V		
LV Protection	MCCB (400A/800Vac/3P,10pcs) ACB (3200A/800Vac/3P,1pc)	MCCB (400A/800Vac/3P,20pcs) ACB (3200A/800Vac/3P,2pc)	MCCB (400A/800Vac/3P,28pcs) ACB (4000A/800Vac/3P,2pc)
Output			
Rated Voltage	10kV ~ 36kV		
Rated Frequency	50Hz / 60Hz		
Transformer Type	Oil Dy11	Oil Dy11Y11	
Transformer Tappings	± 2 x 2.5%		
Transformer Oil Type	Mineral Oil		
Transformer Cooling Type	ONAN		
Transformer Efficiency	Tier 2		
RMU Type	SF6 Gas Insulated		
Auxiliary Transformer	Dry type, 5kVA, 800V / 400V, Dyn11		
Protection			
Transformer Monitoring and Protection	Oil level, temperature and pressure		
Rated short-circuit breaking current	20 kA / 3s (24 kV), 16 kA / 1s (30 kV)		
MV relay protection	50 / 51, 50N / 51N		
LV surge Protection	Type I+II		
Protection degree	IP54 for LV / MV room		
Anti-corrosion degree	C4 / C5 (optional)		
Characteristics			
Dimensions	6058x2896x2438mm standard 20-foot container		
Weigth	<18T	<24T	<28T
Temperature Range	-25°C ~ 60°C		
Relative Humidity	0% ~ 95%		
Max. Operating Altitude	1000m (standard) / > 1000 (optional)		
Communication Protocol	Modbus-TCP		
Color	RAL7035		
Standards	IEC60076, IEC62271-200/202, IEC61439, EN50588-1		

Practice is continuous development, so the information in this brochure is subject to change without notice.

