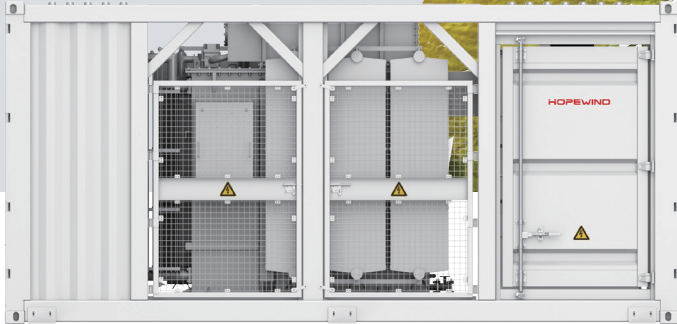


HOPEWIND

MV TRANSFORMER STATION

HPMVS Series

3000/6000/9000



BRIEF INTRODUCTION

Hopewind MV Transformer Station integrates LV panel, Step-up Transformer, RMU and other auxiliaries to a 20-foot HC container, convert LV AC power to MV AC power and inject to grid system. The integrated and cost effective solution is ideal for easy transportation and quick installation.

FEATURES



Cost-saving

- Easy transportation with standard container design
- High efficiency transformer & lower self-consumption for higher yields



Integrated and Convenient

- Prefabricated and pre-tested
- Plug-and-play installation, no internal cabling needed onsite



Safety & Reliability

- Type-tested components of reliable quality
- The highest IP level in the market and C4 anti-corrosion, adaptable to harsh environments



Easy O&M

- LV panel, transformer and RMU real-time monitoring and remote control, without walk-in operation
- Integrated modular design simplifying maintenance



PARAMETERS

Model	HPMVS-3000		HPMVS-6000	HPMVS-9000
Input				
Available Inverters	HSHV385K			
No. of Inverters	9	18	24	
AC Power @40°C	3465 kVA	6930 kVA	9240 kVA	
LV Switches	MCCB (400 A / 800 V AC / 3W, 9pcs)	MCCB (400 A / 800 V AC / 3W, 18pcs)	MCCB (400 A / 800 V AC / 3W, 24pcs)	
	ACB (4000 A / 800 V AC / 3W, 1pc)	ACB (4000 A / 800 V AC / 3W, 2pcs)	ACB (4000 A / 800 V AC / 3W, 2pcs)	
Rated Input Voltage	800V			
Output				
Rated Output Voltage	10~35 kV			
Rated Frequency	50 Hz / 60 Hz			
Transformer Type	Oil-immersed, fully sealed, Dy11	Oil-immersed, fully sealed, Dy11y11		
Transformer Tapping	±2 × 2.5%			
Transformer Oil Type	Mineral oil (PCB free)			
Transformer Cooling Type	ONAN			
Transformer Min. Peak Efficiency	99% / Tier1 / Tier2 (optional)			
Rmu Type	SF6 gas insulated, DCV or CCV			
Impedance (HV-LV1, LV2)	6.5%	8%	9.5%	
Auxiliary Transformer	Dry type, 5 kVA, 800 V / 400 V, Dyn11, level H (customizable)			
UPS	1 kVA, 30 min (customizable)			
Protection				
Transformer Monitoring And Protection	Oil Level, Oil Temperature, Oil Pressure and Buchholz relay			
Rated Short-Circuit Breaking Current	20 kA / 3 s (optional: 25 kA / 1 s)			
Mv Relay Protection	50 / 51, 50N / 51N			
LV Overvoltage Protection	Type I+II			
Protection Degree	IP54 for whole box transformer IP68 for transformer body			
Anti-Corrosion Degree	C4			
General				
Dimensions	6058 × 2896 × 2438 mm, standard 20-foot HC container			
Weight	<15 T	<22 T	<27 T	
Temperature Range	-25~+60°C			
Relative Humidity	0~95%			
Max. Operating Altitude	2000 m			
Communication Protocol	Modbus-RTU / Modbus-TCP / IEC104			
Color	RAL7035			
Applicable Standards	IEC 62271-200/202, EN 50588-1, IEC 60076, IEC 61439-1			

