

# HOPEWIND

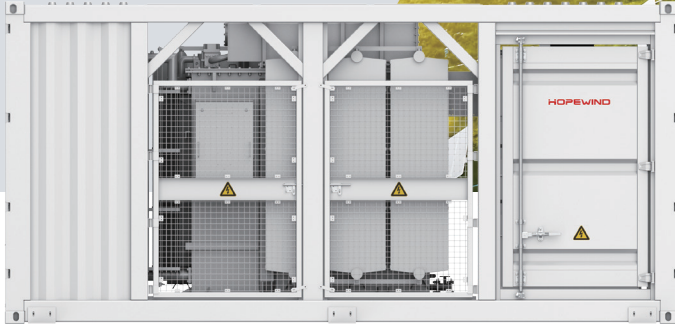
## MV TRANSFORMER STATION

# HPMVS Series

## 3000/6000/9000

**TIER 1**  
BloombergNEF

Hopewind is ranked as  
Tier 1 Solar Inverter Maker by BNEF



## 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
<b>Input</b>			
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 Vac / 3P, 9pcs)	MCCB (400 A / 800 Vac / 3P, 18pcs)	MCCB (400 A / 800 Vac / 3P, 24pcs)
	ACB (4000 A / 800 Vac / 3P, 1pc)	ACB (4000 A / 800 Vac / 3P, 2pcs)	ACB (4000 A / 800 Vac / 3P, 2pcs)
Rated Input Voltage	800V		
<b>Output</b>			
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)		
<b>Protection</b>			
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		
<b>General</b>			
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		

