

GoodWe Medium-voltage Station, a compact step-up power center, is capable of enduring various types of environments. It offers the highest power density in an energy-efficient and safe solution comprised of MV switchgear, transformer, and LV switchgear for power transformation in large-scale solar plants. The pre-assembled and cost-effective solution is integrated into a prefabricated 20ft container, ideal for easy transportation and quick installation. The Plug-and-Play design makes grid connection exceptionally easy and rapid, and the modular architecture allows for simplified maintenance. All contained electrical components are type-tested according to strict safety standards, providing safety for operators.



20ft container for easy transportation



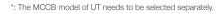
Integrated modular design simplifying maintenance



Type-tested components of reliable quality



Outstanding adaption to extreme environments







Model	GW3500K-MVS	GW5000K-MVS	GW7000K-MVS
Transfomer			
Transformer Type		Oil immersed	
Rated Power (kVA)	3500kVA@40°C	5000kVA@40°C	7000kVA@40°C
Winding Connection	Dy11	Dy11-y11	Dy11-y11
LV/MV Voltage (kV)		0.8 / 10 ~ 35	
Maximun Input Current at Nominal Voltage (A)	2526	2 × 1805	2 × 2526
Frequency (Hz)		50 / 60	
Tapping range		±2 × 2.5%	
Peak Efficiency Index		≥99%	
Cooling Type	ONAN (Oil Natural Air Natural)		
Impedance	7% (±10%)	7.5% (±10%)	8% (±10%)
Oil Type		Mineral oil (PCB free)	
Winding Material		Al / Al	
Insulation Class		А	
MV Switchgear			
Insulation Type		SF6	
Rate Voltage (kV)		12.0 ~ 40.5	
Rate Current (A)		630	
Internal Arcing Fault	IAC AFL 20kA / 1s		
Qty.of Feeder	2-3 feeders (D / V / C)		
LV Room			
ACB Specification	3200A / 800Vac / 3P, 1pcs	3200A / 800Vac / 3P, 2pcs	3200A / 800Vac / 3P, 2p
MCCB Specification	250A / 800Vac / 3P, 14pcs	250A / 800Vac / 3P, 20pcs	250A / 800Vac / 3P, 28p
Protection			
AC Input Protection	Circuit breaker		
Transformer Protection	Oil-temperature, oil-level,oil-pressure		
LV Overvoltage Protection	AC Type I + II		
General Data			
Dimensions (W × H × D mm)	6058 × 2896 × 2438		
Approximate Weight (t)	<22		
Operating Temperature Range (°C)	-25 ~ +55		
Auxiliary Power Supply	5kVA / 400V (Optional: max. 20kVA)		
Ingress Protection Rating	IP54		
Relative Humidity	0~95 %		
Max. Operating Altitude (m)	1000 (Optional: 2000)		
Anti-corrosion Class	C4H (Optional: C5M)		
Communication	Standard: RS485, Ethernet Optional: Optical Fiber		
Compliance		 1-200, IEC 62271-202, IEC 6	*

^{*:} Please visit GoodWe website for the latest certificates.