

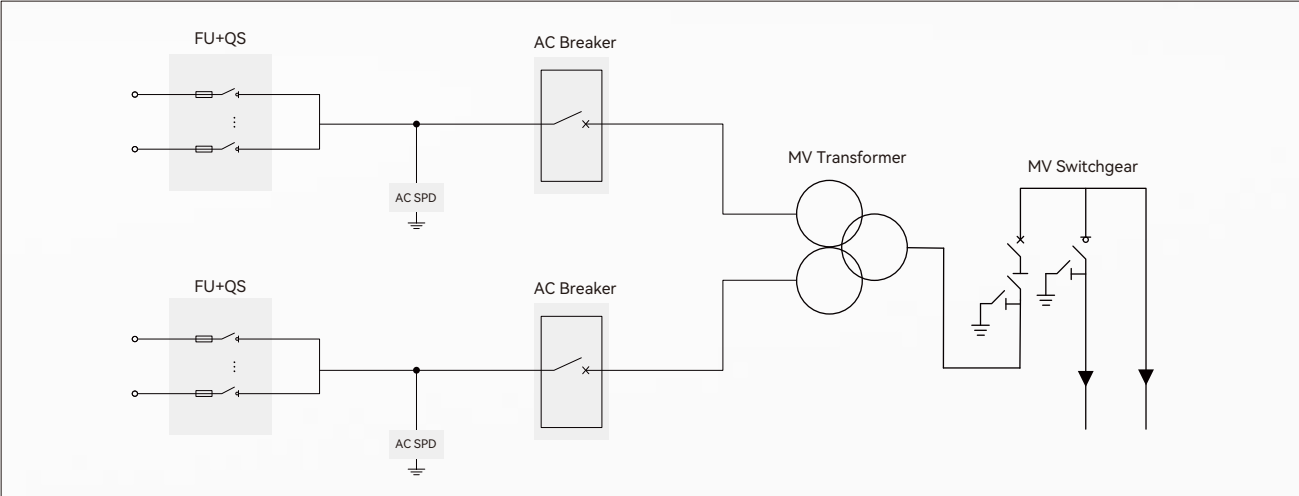
ITS-6500-MV

Integrated Transformer Station for 1500V Utility PV Plant (For SP-275K-H1 String inverter)

- Safety**
 - MV and LV isolated, with independent control room
 - Integrated smoke sensing alarm
 - LV copper busbar fully enclosed protection design
- Low system cost**
 - Convenient for large block size PV plant
 - Integrated MV transformer and switchgear
- High reliability**
 - Suitable for all kinds of harsh environments
 - All device compliance with international standards
- Easy O&M**
 - Integrated current and voltage monitoring function for online analysis and trouble shooting



Circuit Diagram



Model	ITS-6500-MV
Input	
AC power	6500kVA@45°C/7150kVA@30°C
Max. Inverters Quality	26
Rated Input voltage	800V
Main switch specification	3200A/800Vac/3P, 2pcs
Disconnecter specification	260A/800Vac/3P, 26pcs
Fuse specification	350A/800Vac/1P, 78pcs
Output	
Rated AC output Voltage	10-35kV
Transformer Type	Oil-immersed
Transformer Vector Group	Dy11y11
Rated grid frequency/range	50Hz/45~55Hz,60Hz/55~65Hz
Transformer Tappings	±2x2.5%
Impedance	8% (±10%)
MV Switchgear Type	SF6 Gas Insulated, 3 feeders
Protection	
AC input protection	Fuse+disconnecter
Transformer protection	Oil-temperature, Oil-level, Oil-pressure and Buchholz
AC MV output protection	Circuit breaker
LV Over voltage protection	Type II (Optional: Type I+II)
MV Relay Protection	50/51, 50N/51N, (Optional: 50G/51G)
Internal arcing fault	IAC AFL 20kA/1s
General Data	
Auxiliary power supply	Standard: 5kVA, Optional: Max. 40kVA
Degree of protection	IP54
Temperature	-30°C~+60°C
Allowed humidity (non condensing)	0~95%
Transformer Cooling mode	ONAN (Oil Natural Air Natural)
Max. operating altitude	2000m(standard) />2000m (Optional)
Communication port	RS485/Ethernet
Certificates (more available on request)	IEC 60076, IEC 62271, IEC 61439
Dimensions (W×H×D)	6058x2896x2438mm
Weight	22T