

Technical Specifications

Input					
Available Inverters	SUN2000-185KTL-H1				
AC Power	6,300 kVA @40°C / 5,400 kVA @50°C				
Max. Inverters Quantity	36				
Rated Input Voltage	800 V				
Max. Input Current at Nominal Voltage	2 * 2428 A				
LV Panel Type	ACB (2500 A / 800 V / 3P, 2*1 pcs), MCCB (250 A / 800 V / 3P, 2*18 pcs)				
Output					
Rated Output Voltage	20 kV	22 kV	30 kV	33 kV	34.5 kV
Frequency	50 Hz	50 Hz	50 Hz	50 Hz	60 Hz
Transformer Type	Oil-immersed				
Tappings	± 2 × 2.5%				
Transformer Cooling Method	ONAN				
Transformer Oil Type	Mineral Oil				
Transformer Vector Group	Dy11-y11				
Minimum Peak Efficiency Index	99.51%, in accordance with EN 50588-1				
Transformer Load Losses	≤ 49.7 kW	≤ 49.7 kW	≤ 49.7 kW	≤ 49.7 kW	≤ 41 kW
Transformer No-load Losses	≤ 4.8 kW	≤ 4.8 kW	≤ 4.8 kW	≤ 4.8 kW	≤ 5.8 kW
Impedance	7.5% (0 ~ +10%) @6300 kVA				
MV Switchgear Type	SF6 Gas Insulated, 3 Feeders				
Auxiliary Transformer	5 kVA, Dyn11, Ratio Varies according to Customization				
Protection					
Protection Degree of MV & LV Room	IP 54				
Internal Arcing Fault MV Switchgear	IAC A 20 kA 1s				
LV SPD	Type II				
General					
Dimensions (W x H x D)	6,058 x 2,896 x 2,438 mm (20' HC Container)				
Weight	< 23 t				
Operating Temperature Range	-25°C ~ 55°C ¹ (-13°F ~ 140°F)				
Relative Humidity	0% ~ 95%				
Max. Operating Altitude	2000 m	2000 m	2000 m	2000 m	2500 m
Applicable Standards	IEC 60076, IEC 62271-200, IEC 62271-202, EN 50588-1, IEC 61439-1				
Features					
Auxiliary Transformer(50 kVA, Dyn11)	Optional ² , Ratio Varies according to Customization				
LV SPD (Type I+II)	Optional ²				
UPS for Monitoring (1.5kVA, 30min)	Optional ²				
Electrostatic Shields Winding	Optional ²				
IMD	Optional ²				

1 - When ambient temperature > 55°C, awning shall be equipped for STS on site by customer.

2 - Extra expense needed for optional features which standard product doesn't contain.



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