

Technical Specifications of the MV Station

NO.	TECHNICAL DESCRIPTION	REQUIREMENTS DATA
Input		
1	Available Inverters / PCS	Inverters with power ratings exceeding 300 kVA
2	LV AC Inputs	10
3	LV AC Specification	260 A/ 800 V
4	AC Power	3200 kVA
5	Rated Input Voltage	800 V
6	Max. Input Current at nominal voltage	2540 A
Output		
7	Rated Output Voltage	20 kV
8	Frequency	50 Hz
9	LV Main Switches	4000 A/ 800V/ 1pcs
10	Transformer Type	Oil-immersed, Conservator Type
11	Transformer Cooling Type	ONAN
12	Transformer Tappings	$\pm 2 \times 2.5\%$
13	Transformer Oil Type	Mineral oil
14	Transformer Vector Group	Dy11
15	Auxiliary Transformer	Dry Type Transformer ,15 kVA (Optional: 40 kVA)
16	Auxiliary Transformer Vector Group	Dyn11
17	Output Voltage of Auxiliary Transformer	3/PE , 400 V
Protection		
18	Transformer Detection & Protection	Oil Level, Oil Temperature, Oil Pressure and Buchholz
19	Protection Degree of MV & LV Room	IP 54
20	LV Overvoltage Protection	Type I+II
Features		
21	2 kVA UPS	Yes
22	MV Surge Arrester for Transformer	Optional
General		

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23	Dimensions (W x H x D)	By Vendor
24	Weight	By Vendor
25	Operating Temperature Range	-15°C ~ 50°C
26	Relative Humidity	0% ~ 95%
27	Max. Operating Altitude	1600 m
28	LV & MV Room Cooling	Air Condition Unit
29	Communication	RS485, Ethernet, Optical fiber