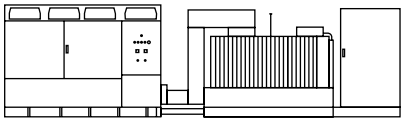
MV Skid Compact

Turn-key solution.
Fastest connection with HEMK.
Installation cost reduction.
Flexible plant distribution.



MV Skid Compact



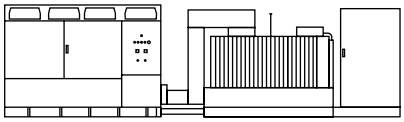
REFERENCES		MVS04200H100	MVS04200H080	MVS04200H050	MVS04200H040
RATINGS	Rated power @ 40 °C	4200 kVA			
	Operating Grid Frequency	50 Hz			
MEDIUM VOLTAGE EQUIPMENT	MV rated voltage	20 kV	22 kV	30 kV	33 kV
	LV rated voltage	660 V			
	Transformer cooling	ONAN (KNAN optional)			
	Transformer vector group	Dy11			
	Transformer protection	Protection relay for pressure, temperature (two levels) and gassing / dielectric level			
		PT100			
	Transformer index of protection	IP54			
	Transformer losses	IEC standard (IEC Tier-2 optional)			
	Oil retention tank (Optional)	Galvanized steel. Integrated with hydrocarbon filter.			
	Switchgear configuration [3]	Double feeder (2L)			
	Switchgear protection [3]	Circuit breaker (V)			
	Switchgear short circuit rating [1]	16 kA / 1 s (optionally: 20 kA / 1 s, 20 kA / 3 s or 25 kA / 1 s)			
	Switchgear IAC [1]	A-FLR 16 kA / 1 s (optionally 20 kA or 25 kA)			
	Rated impulse withstand voltage	125 kV		170 kV	
CONNECTIONS	MV connections	Close-coupled plug & play solution			
	MV AC wiring	MV bridge between transformer and protection switchgear prewired			
ENVIRONMENT	Ambient temperature range [2]	From -25 °C to +60 °C, >40 °C power derating			
	Maximum altitude (above sea level) [1]	1000 m (optionally up to 4000 m)			
	Relative humidity	4% to 95%			
AUXILIARY SERVICES	User Cabinet (Optional)	LV cabinet in the skid			
	UPS System (Optional) [4]	3 kVA / 3 kW			
OTHER EQUIPMENT	Safety mechanism (Optional)	Interlocking system			
	Fire suppression system (Optional)	Accessory for transformer oil retention tank			
STANDARDS	Compliance	IEC 62271-212, IEC 62271-200, IEC 60076, IEC 61439-1			

NOTES

[1] Consult with Power Electronics for other options.
[2] For lower temperatures, consult with Power Electronics.
[3] SF6 free optional available.
[4] Consult with Power Electronics for UPS autonomy.

POWER ELECTRONICS

MV Skid Compact



REFERENCES		MVS04390H100	MVS04390H080	MVS04390H050	MVS04390H040	MVS04390H031
RATINGS	Rated power @ 40 °C	4390 kVA				
	Operating Grid Frequency	50 Hz				60 Hz
MEDIUM VOLTAGE EQUIPMENT	MV rated voltage	20 kV	22 kV	30 kV	33 kV	34.5 kV
	LV rated voltage	690 V				
	Transformer cooling	ONAN (KNAN optional)				
	Transformer vector group	Dy11				
	Transformer protection	Protection relay for pressure, temperature (two levels) and gassing / dielectric level				
		PT100				
	Transformer index of protection	IP54				
	Transformer losses	IEC standard (IEC Tier-2 optional)				
	Oil retention tank (Optional)	Galvanized steel. Integrated with hydrocarbon filter.				
	Switchgear configuration [3]	Double feeder (2L)				
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