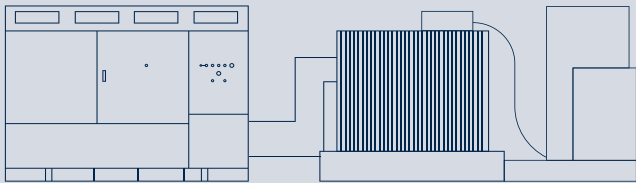


Combine the Freemaq PCSK & Multi PCSK with our **MV solutions.**

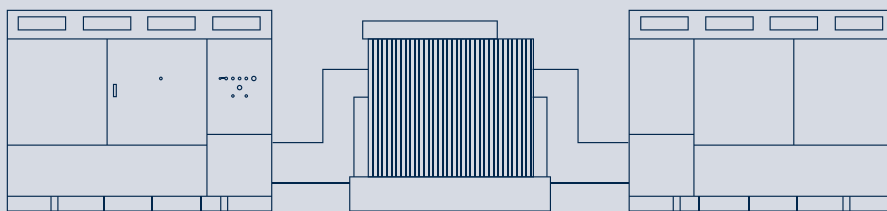
MV Skid Compact & Twin Skid Compact

From low to medium voltage



MV SKID COMPACT

Page. 32 – 33



TWIN SKID COMPACT

MV Skid Compact

RATINGS	Power range @ 40 °C	1525 kVA - 4390 kVA	
	Power range @ 50 °C	1415 kVA - 4075 kVA	
MEDIUM VOLTAGE EQUIPMENT	MV voltage range	6.6 kV / 11 kV / 13.2 kV / 15 kV / 20 kV / 22 kV / 23 kV / 25 kV / 30 kV / 33 kV / 34.5 kV	
	LV voltage range	480 V / 500 V / 530 V / 600 V / 615 V / 630 V / 645 V / 660 V / 690 V	
	Transformer cooling	ONAN	
	Transformer vector group	Dy11	
	Transformer protection	Protection relay for pressure, temperature (two levels) and gassing.	
		Monitoring of dielectric level decrease. PT100 optional.	
	Transformer index of protection	IP54	
	Transformer losses	IEC standard or IEC Tier-2.	
	Oil retention tank	Galvanized steel. Integrated with hydrocarbon filter. Optional	
	Switchgear configuration	Double feeder (2L)	
	Switchgear protection	Circuit breaker (V)	
Switchgear short circuit rating ^[1]	16 kA 1 s		
Switchgear IAC ^[1]	A FLR 16kA 1 s		
CONNECTIONS	LV-MV connections	Close coupled solution (plug & play)	
	LV protection	Motorized circuit breaker included in the inverter	
	HV AC wiring	MV bridge between transformer and protection switchgear prewired	
ENVIRONMENT	Ambient temperature range ^[2]	-10 °C... +50 °C (T > 50 °C power derating)	
	Maximum altitude (above sea level) ^[1]	Up to 1000 m	
	Relative humidity	4% to 95% non condensing	
AUXILIARY SERVICES	User power supply options	5 kVA / 40 kVA at 400 V (3-phase), 50 / 60 Hz (Integrated in the inverter)	
	User cabinet	Integrated in the inverter (by default). Optionally, LV cabinet in the skid.	
	Cooling	Forced air	
	HW communication	Ethernet (fiber optic or RJ45)	
	UPS system ^[1]	1 kVA/0.8 kW (10 minutes). Optional	
OTHER EQUIPMENT	Safety mechanism	Interlocking system	
	Fire extinguishing system	Transformer oil tank retention accessory. Optional.	
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.

Twin Skid Compact

RATINGS	Power range @ 40 °C	3050 kVA - 8780 kVA
	Power range @ 50 °C	2830 kVA - 8150 kVA
	MV voltage range	6.6 kV / 11 kV / 13.2 kV / 15 kV / 20 kV / 22 kV / 23 kV / 25 kV / 30 kV / 33 kV / 34.5 kV
	LV voltage range	480 V / 500 V / 530 V / 600 V / 615 V / 630 V / 645 V / 660 V / 690 V
	Transformer cooling	ONAN
	Transformer vector group	Dy11y11
MEDIUM VOLTAGE EQUIPMENT	Transformer protection	Protection relay for pressure, temperature (two levels) and gassing. Monitoring of dielectric level decrease. PT100 optional.
	Transformer index of protection	IP54
	Transformer losses	IEC standard or IEC Tier-2.
	Oil retention tank	Galvanized steel. Integrated with hydrocarbon filter. Optional
	Switchgear configuration	Double feeder (2L)
	Switchgear protection	Circuit breaker (V)
	Switchgear short circuit rating ^[1]	16 kA 1 s
	Switchgear IAC ^[1]	A FLR 16 kA 1 s
	LV-MV connections	Close coupled solution (plug & play)
	LV protection	Motorized circuit breaker included in the inverter
CONNECTIONS	HV AC wiring	MV bridge between transformer and protection switchgear prewired
	Ambient temperature range ^[2]	-10 °C... +50 °C (T > 50 °C power derating)
ENVIRONMENT	Maximum altitude (above sea level) ^[1]	Up to 1000 m
	Relative humidity	4% to 95% non condensing
AUXILIARY SERVICES ELECTRICAL PANEL	User power supply options	5 kVA / 40 kVA at 400 V (3-phase), 50 / 60 Hz (Integrated in the inverter)
	User cabinet	Integrated in the inverter (by default). Optionally, LV cabinet in the skid.
	Cooling	Forced air
	HW communication	Ethernet (fiber optic or RJ45)
	UPS system ^[1]	1 kVA/0.8 kW (10 minutes). Optional
OTHER EQUIPMENT	Safety mechanism	Interlocking system
	Fire extinguishing system	Transformer oil tank retention accessory. Optional.
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.