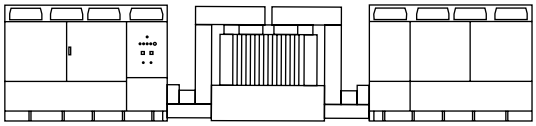
Twin Skid Compact

Turn-key solution.
Easy and fast connection.
Compact design reducing space requirements.
Simplifies commissioning.

Twin Skid Compact



RATINGS	Power range @ 40 °C	3050 kVA - 8780 kVA
	Power range @ 50 °C	2830 kVA - 8150 kVA
MEDIUM VOLTAGE EQUIPMENT	MV voltage range	11 kV / 13.2 kV / 13.8 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 / KNAN
	Transformer vector group	Dy11y11
	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 [3]	Double feeder (2L)
	Switchgear protection [3]	Circuit breaker (V)
	Switchgear short circuit rating [1]	16 kA 1 s (optionally 20 kA or 25 kA)
	Switchgear IAC [1]	A-FLR 16 kA 1 s (optionally 20 kA or 25 kA)
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]	-25 °C... +60 °C (T > 40 °C power derating)
	Maximum altitude (above sea level) [1]	Up to 1000 m (optionally up to 4000 m)
	Relative humidity	4% to 95% non condensing
AUXILIARY SERVICES	User cabinet	Integrated in the inverter (by default). Optionally, LV cabinet in the skid
	UPS system [1]	1 kVA / 1 kW (12 minutes). Optional
OTHER EQUIPMENT	Safety mechanism	Interlocking system
	Fire suppression system	Transformer oil retention tank 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.
[3] SF6 free optional available.

POWER ELECTRONICS