YESS
YOUR ENERGY STORAGE SOLUTION

PRODUCT DATASHEET



Transformer Station

MV step-up transformer container

An all-in-one 20 ft step-up transformer station that connects PowerCombo battery systems to medium-voltage grids from 10 to 35 kV, with MV and LV protection, auxiliary supply, UPS and monitoring integrated.

3,300 kVA	6,600 kVA	10–35 kV	C5-M
Rating option	Rating option	Output voltage	Corrosion class

Applications

- Grid connection of PowerCombo battery systems
- Standalone and hybrid storage plants
- Coastal, industrial and harsh environments

Highlights

Plug and play
MV and LV connections are prewired and pretested, no internal cabling on site.

Efficient
Tier 2 transformer efficiency per EN 50588-1 and low self-consumption.

Protected
MV vacuum circuit breaker, relay protection, surge protection and UPS.

Durable
IP54 MV and LV rooms and C5-M corrosion protection.

Technical specifications

Input	
Rated input voltage	690 V, 3-phase
Rated power	3,300 kVA | 6,600 kVA (at 40 °C)
LV main switches	2 x ACB 1,600 A | 4 x ACB 1,600 A

Output and transformer	
Rated output voltage	10 to 35 kV
Frequency	50 / 60 Hz
Tappings	± 2 x 2.5%
Transformer type	Oil-immersed, mineral oil (PCB free)
Cooling	ONAN
Vector group	Dy11 | Dy11-y11
Efficiency	Tier 2 per EN 50588-1
MV switchgear	Dry air insulated, MV vacuum circuit breaker
Auxiliary transformer	100 kVA | 200 kVA, 400 V output

Protection	
Transformer protection	Oil level, oil temperature, oil pressure, gas relay
MV relay protection	50/51, 50N/51N
LV surge protection	Type I+II
UPS	1 kVA / 30 min
Protection degree	IP54 (MV and LV rooms)
Corrosion class	C5-M

General	
Dimensions (L x W x H)	6,058 x 2,438 x 2,896 mm (20 ft)
Weight	< 16 t | < 25 t
Operating temperature	-30 to 40 °C
Relative humidity	0 to 95% (non-condensing)
Altitude	Up to 1,000 m
Room cooling	Forced air
Communication	Modbus TCP/IP
Standards	IEC 62271-202, IEC 62271-200, IEC 60076, IEC 61439-1, EN 50588-1

Values are nominal and may vary by project configuration. Final values are confirmed in the project offer. Images are illustrations.