## X-Series MV Skid 2.5 MW | 5.0 MW

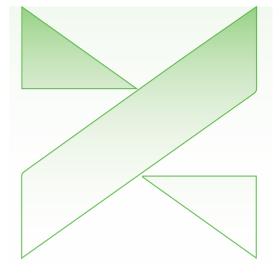
## Reliable MV AC system to flexibly integrate into the grid

## **Improved Safety Characteristics**

- Built-in prevention mechanisms: premium-grade electrical components, advanced battery management and system-level safeguards
- Al-based fault monitoring: real-time detection of overcurrent, overvoltage, thermal stress, and grid anomalies
- Dynamic cooling systems: optimized air or liquid cooling setups with auxiliary protection measures
- Robust insulation: heat-resistant enclosures and advanced deflagration mitigation technologies
- Ultra-wide operating temperature range for extreme climate resilience

## **Optimized Solution**

- Flexible modular topology, ideal for various application scenarios from energy storage to hybrid renewable systems
- Optimal energy capacity management enabled through advanced system sizing and scalable configuration
- Engineered for durability and reliable performance under demanding environmental and operational conditions
- Grid-forming capabilities for enhanced grid stability and black start operations



ELECTRICAL DC INPUT	2.5 MW   5.0 MW
DC Input Channel No.	12   24
Maximum DC Current	3,372 A   6,744 A
DC Operating Voltage	1,000 V 1,500 V

ELECTRICAL AC OUTPUT	2.5 MW   5.0 MW
Nominal Power	2,500 kW   5,000 kW
Maximum Output Power	3,000 kVA   6,000 kVA
Galvanic Isolation	Yes
Reactive Power Range	0-2,625 kVAr   0-5,250 kVA
Rated Voltage	
Rated Frequency	6~35 kV (Customizable)
THDi	50 Hz
Power Factor	< 3%
	-1~1

MECHANICAL	
Dimensions (W × D × H)	6,058 × 2,438 × 2,896 mm
Protection Level	IP55

AMBIENT	
Application Altitude	≤4,000 m
Application Temperature	-30°C ~ +55°C

COMPLIANCE	
IEC61000, EN50549, IEC62477	