

COMPLETE UNIT

THE ALL-IN-ONE SOLUTION

SKS

The SKS all-in-one solution combines battery storage, inverter and transformer in one perfectly coordinated overall system. It ensures efficient energy storage and power conversion, reliable voltage transformation and high system availability. The compact system solution enables fast, flexible installation and is ideal for demanding energy projects.



STORE EFFICIENTLY. CONVERT INTELLIGENTLY. TRANSFORM SAFELY.

www.sks-elektro.at



Illustration only

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BATTERY PARAMETERS

Model	Date
Net battery capacity	2,507 kWh × 2
Maximum net capacity of the battery storage system	1,331.2 V
Battery chemistry	Lithium iron phosphate (LiFePO4)
Cell specification	3.2 V 314 Ah
Guaranteed full charge cycles	≥ 10,000 (85% remaining capacity)
Battery pack energy	52.2 kWh
Operating voltage	1,164.8 V – 1,497.6 V
Fire suppression system	Aerosol, water sprinkler system
IP protection rating	IP54
Certifications	IEC/EN 62619, IEC 61000, UN3536, UN38.3
Dimensions (W × D × H)	6,058 × 2,438 × 2,896 mm × 2
Weight	≤ 27,000 kg × 2
Cooling method	Liquid cooling
Operating temperature	-25°C to +55°C
Operating altitude	≤ 3,000 m
Relative humidity	15-90%
Communication interfaces	LAN / CAN / RS485

INVERTER & TRANSFORMER UNIT

DC voltage range	1,000-1,500 V
Maximum DC current	2 × 1,248 A
Auxiliary transformer	100 kVA / 690 V / 400 V
UPS	Up to 1 kVA (0.5 h)
Cooling system	Temperature-controlled forced-air cooling
Rated AC power	2,580 kVA
Transformer type	Oil-filled transformer
Oil containment tank	Galvanized steel tank
AC voltage	690 V
AC medium voltage	20 kV or 30 kV
AC frequency	50 Hz / 60 Hz
LV-MV connections	Cable
Dimensions (W × D × H)	7,600 × 2,200 × 2,553 mm
Weight	≤ 20 t
Enclosure	IP54
IP protection rating	C4
Operating temperature	-30°C to 55°C (power derating above 45°C)
Cooling system	Air cooling
Humidity	0-95%
Operating altitude	Standard: 1,000 m
Communication interfaces	RS485, Ethernet, CAN

Note: Actual dimensions and weight may vary slightly. Please refer to the delivered product.

SKS Elektroanlagenbau GmbH

Viktor-Kaplan-Straße 2 • 8753 Fohnsdorf • Austria • +43 (0) 3573 - 34999-0
office@sk-electro.at • www.sk-electro.at

A Member of the

