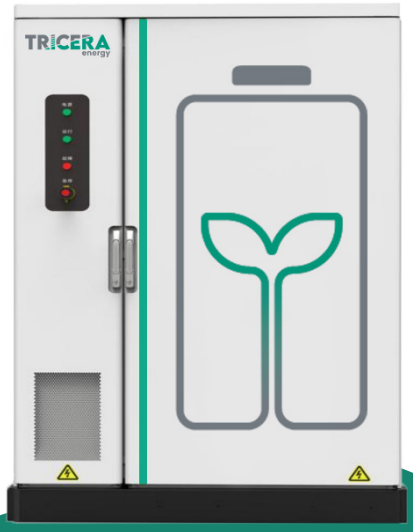
C&I-BATTERY STORAGE SYSTEM
STAN200E DATA SHEET

TRICERA energy

OUTDOOR COMMERCIAL AND INDUSTRIAL BATTERY STORAGE

The efficient and standardized solution for your business



CAPACITY: 215 kWh

POWER: 92 kW

STANDARD SOLUTION

OPTIONAL: NETWORK BOOSTER FOR NETWORK OPERATORS

The TRICERA Stan200e is a compact outdoor storage system that efficiently combines batteries, energy management, inverter, air conditioning and safety technology. TRICERA offers a robust solution that minimizes installation and maintenance times, extends system life and increases safety.

OVERVIEW

- Intelligent and holistic energy management system
- Plug & Play: cabinet solution
- PGP* controller and system certificate on request
- Air conditioning & inverter integrated
- Integrated water cooling
- Integrated aerosol extinguishing system

*Generation system controller

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APPLICATIONS

- Self-consumption optimization
- Buffer storage of charging stations
- Grid expansion avoidance
- Grid services
- Autonomy enhancement
- Peak Shaving

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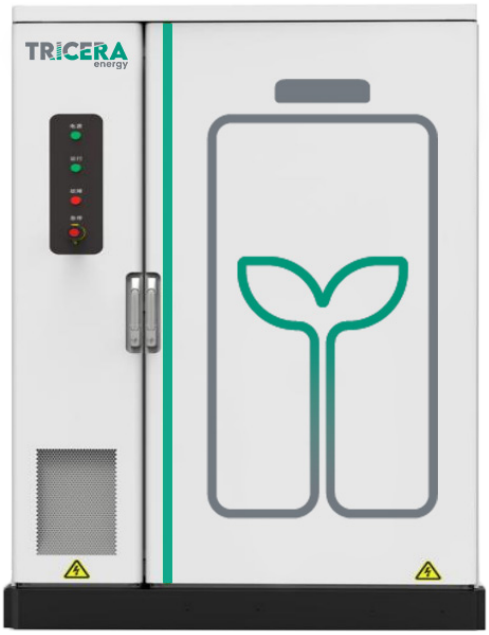

OUTDOOR CABINET

Dimensions (H x W x D)	2.200 x 1.450 x 1.400 mm
Weight	2.500 kg
Climatisation	Flüssigkeitskühlung
Ambient temp. range	-20 bis +40 °C*
Protection class	IP54
Fire protection	Aerosol extinguishing system
Communication interface	Modbus TCP/IP

BATTERY UNIT

Nominal energy capacity	Up to 215 kWh @Begin of Life
Usable energy capacity	195 kWh @Nominal power @Begin of Life
Battery chemistry	Lithium iron phospha-te cells (LiFePO4)
DC-voltage	620 bis 876 V_{DC}
Number of cycles	> 6.000

POWER UNIT

Inverter	KACO blueplanet gridsave 92.0
Nominal power	92 kW
AC connection voltage	400 V_{AC}
Grid connection	Directly with 400 V_{AC} to the low-voltage main distribution or optionally with ex-ternal transformer to 10/20 kV medium voltage

SCALABILITY (Stan200e - xBxP)

Capacity / Power		Cabinet								
		96 kWh	192 kWh	288 kWh	384 kWh	480 kWh	576 kWh	672 kWh	768 kWh	∞
		1BxP	2BxP	3BxP	4BxP	5BxP	6BxP	7BxP	8BxP	∞
92 kW	xB1P	1B1P	-	-	-	-	-	-	-	∞
184 kW	xB2P	-	2B2P	-	-	-	-	-	-	∞
276 kW	xB3P	-	-	3B3P	-	-	-	-	-	∞
368 kW	xB4P	-	-	-	4B4P	-	-	-	-	∞

* Above 30 °C, the maximum inverter power may possibly be reduced by derating.

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