Flex100e

TRICERA energy

INDOOR COMMERCIAL AND INDUSTRIAL BATTERY STORAGE

The efficient and flexible solution for your business

CAPAZITY: 96 KWH

POWER: 92 KW

AUTOMOTIVE BATTERIES

INDIVIDUALLY SCALABLE

The **indoor storage** solution **TRICERA Flex100e** combines compact design, batteries, battery and energy management system as well as extensive safety features. TRICERA offers a **robust and modular solution** based on proven industrial technology that minimizes installation and maintenance time, **extends system life** and **increases safety**.

OVERVIEW

- Intelligent and holistic energy management system
- Easily scalable through interconnection of several Flex100e
- PGP* controller and plant certificate on request
- Use of high-quality automotive batteries
- Connection via inverter to low voltage distribution
- Visualization via web interface

*Power generation plant

APPLICATIONS

- PV self-consumptin optimization
- Buffer storage of charging stations
- Grid expansion avoidance
- Grid services
- Autarky enhancement
- Peak Shaving

www.tricera.energy

Flex100e

TRICERA energy

TECHNICAL SPECIFICATIONS

BATTERY RACK & CASE

Dimensions (H x W x D)	1,816 x 943 x 1,154 mm
Weight	1,500 kg
Climatisation	external HVAC (ambient AC)
Ambient temp. range	10 to 35 °C*
Protection class	IP 20
Communication Interface	Modbus TCP/IP

BATTERY UNIT

Nominal energy capacity	96,1 kWh @Begin of Life
Usable energy capacity	89,9 kWh @92 kW @Begin of Life
Battery chemistry	NMC lithium-ion cells in automotive power module
DC-voltage	620 to 835 V_{DC}

POWER UNIT**

Inverter	KACO blueplanet gridsave 92.0 TL3-S
Nominal power	92 kW
AC connection voltage	400 V_{AC}
Grid connection	400 V_{AC} (no transformer necessary)

SCALABILITY

Battery rack & case						∞
Battery unit						∞
	96 kWh	192 kWh		288 kWh	384 kWh	∞
Power unit						∞
	92 kW	92 kW	184 kW	276 kW	184 kW	368 kW ∞

* Above 30 °C the maximum power may possibly be reduced by derating.
* * The power unit is located outside the battery rack.

www.tricera.energy

V1.04/05.24

All data correspond to the current state of the production. Our products are subject to constant further development. All rights reserved.