

OUTDOOR COMMERCIAL AND INDUSTRIAL BATTERY STORAGE

The efficient and flexible
solution for your business

CAPACITY: 384 kWh

POWER: 368 kW

AUTOMOTIVE BATTERIES

INDIVIDUALLY SCALABLE

OPTIONAL: NETWORK BOOSTER FOR NETWORK OPERATORS



OVERVIEW

- Intelligent and holistic energy management system
- Plug & Play: interconnection of several containers
- PGP* controller and plant certificate on request
- Use of high-quality automotive batteries
- Air conditioning & inverter integrated
- Visualization via web interface

*Power generation plant

www.tricera.energy

The **outdoor storage** solution **TRICERA Flex400e** combines compact design, batteries, battery and energy management system as well as extensive safety features. TRICERA offers a **robust and modular solution** that minimizes the installation and maintenance time, **extends the system life** and **increases the safety**.

APPLICATIONS

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





CONTAINER

Dimensions (H x W x D)	2,591 x 2,438 x 2,991 mm
Weight	Up to 9,000 kg*
Climatisation	Included
Ambient temp. range	-20 to 40 °C **
Protection class	Based on IP54
Communication Interface	Modbus TCP/IP



BATTERY UNIT

Nominal energy capacity	Up to 384 kWh @ Begin of Life
Usable energy capacity	Up to 384 kWh @nominal power @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
Nominal power	Up to 368 kW (4x KACO blueplanet gridsave 92.0)
AC connection voltage	400 V _{AC}
Grid connection	Directly with 400 V _{AC} to the low-voltage main distribution or optionally with external transformer to 10/20 kV medium voltage

SCALABILITY (Flex400e - xBxP)

Capacity / Power		Container				Container				
		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	2B1P	-	-	-	-	-	-	∞
184 kW	xB2P	-	2B2P	-	4B2P	-	-	-	-	∞
276 kW	xB3P	-	-	3B3P	-	-	6B3P	-	-	∞
368 kW	xB4P	-	-	-	4B4P	-	-	-	8B4P	∞

* The weight of the battery container depends on the number of installed batteries and power units.

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

