



TrinaCommercial

Trina Energy Storage Solutions for Unique Commercial



Most Affordable High-Quality Commercial Solution

Rated Power: 18 kW (Three-phase)

Capacity: 30 kWh (Expandable to MWh)

Warranty: 10 years Battery Performance (Expected Lifetime 20 years)

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Proven Safety



Reliable Performance



Visualisation



Plug & Play



Modular Customised

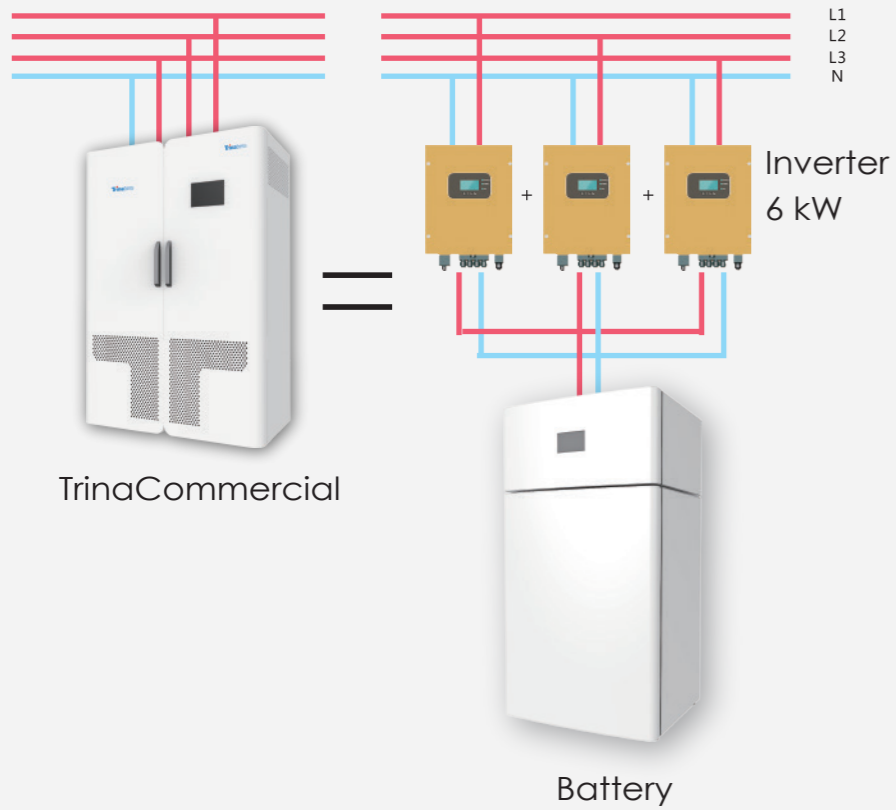


Multi-Function



Self-Consumption

One 18 kW system perfectly replaces three 6 kW inverters with battery

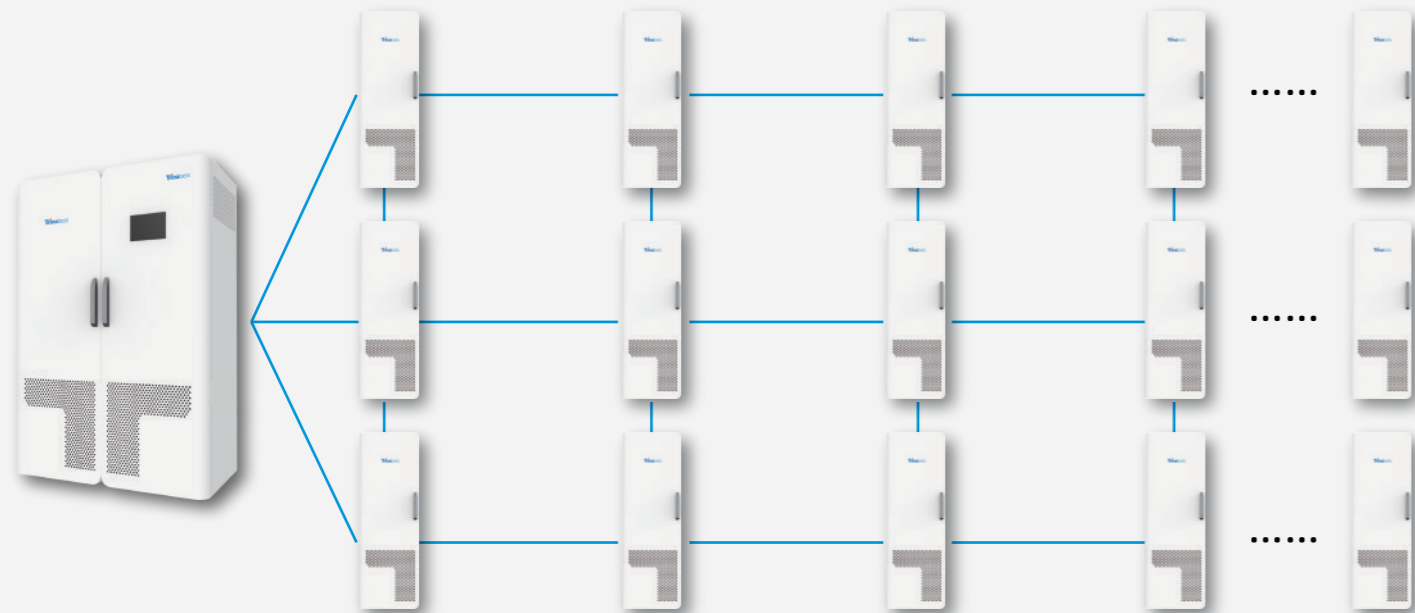


Save Installation Space

Reduce Installation Time

Reduce Cost

- ◆ Expandable to MWh
- ◆ Max. single usable capacity per cabinet: 30 kWh



Specifications

Battery Inverter (PCS)

Battery Input (DC)

Max. Input Power	18 kW
Operation Voltage Range	250 - 800 V
Max. Charging Current	40 A
Max. Discharging Current	40 A

AC Output

Max. Output Power	18 kW
Rated Output Voltage	3N - 400 Vac
Rated Output Frequency	50 Hz
AC Nominal Current	26.1 A
Back-up Function (Optional)	Auto-switching to backup power after approx. 5 sec

PCS Other Parameters

IP Protection Class	IP 65
Noise	< 55 dB
Dimension (W x H x D)	540 x 670 x 275 mm
Weight	60 kg
Cooling	Forced Air Cooling
Certificate	VDE 4105, IEC 62109, IEC 62477

Battery Packs (LFP)

Battery Capacity	30 kWh
Nominal Voltage	672 V
DOD	90 %
Cycle Life	> 8000
Module Weight	350 kg
Communication	CAN 2.0, RS 485
Certificate	TUV, CE, UL, UN 38.3
IP Protection Class	IP 20

System

Dimension (W x H x D)	1300 x 1950 x 750 mm
Operating Temperature Range	0 ~ 45 °C (-10 ~ 0 °C with derating)
Weight	735 kg
Warranty	5 years product, 10 years battery performance

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.

