

TRUES

The Revolution of Energy Storage

A Canadian Company focusing on Distributed Energy Storage Technologies, Products & Solutions

BESS 100kW/250kWh Solar Storage Indoor Design - TI-100-250



Peak Shaving

Reduce energy bill

Transportable Energy

Provide electricity to remote regions

Back Up Power

Provide comfortability & resiliency

Community Micro-Grid

Reduce the cost of electricity & bring smart grid

Electricity Quality Management

Adjust voltage and support power

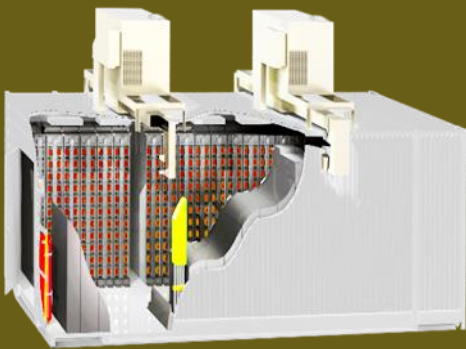
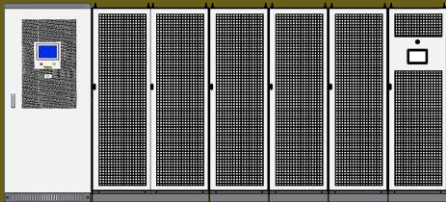
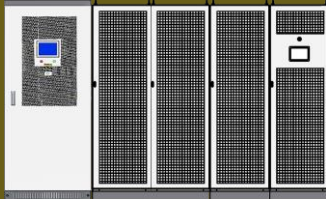
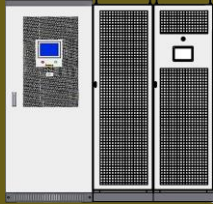
Power Capacity Expansion

Reduce utility infrastructure update cost

Renewable Integration

Solve generation intermittency and smooth output

Modular and “Customizable
Off-The-Shelf” Design



TROES BESS 100kW/250kWh Indoor Design

Model TI-100-250

Network TCP/MODBUS/RS485

Battery Energy Storage System

Battery Technology Lithium-ion / LFP

Capacity 10.37 kWh

C-Rate (charge / discharge) 0.5C / 0.5C

DC Output Normal 38.4 V

DC Current Rating 135 A*2

Battery Efficiency 98%

Battery Pack

Nominal Energy Capacity 248.88 kWh

Usable Energy 208.5 kWh

Rated power 100 kW

Rated DC Voltage 460.8 V

DC voltage OP range 403.2 V ~ 518.4 V

Auxiliary AC Voltage 480V, 3 Phase

Operating Temperature 0° - 45°C

Cycle Life 7000 Cycles @ 80%DoD (0.5C/0.5C, 25°C)

Mechanical Specifications

Enclosure NEMA 1 (Indoor cabinet)

BESS Dimension (W x D x H) 3600 x 600 x 2000 mm

BESS Weight 3900 kg

PCS Dimension (W x D x H) 800 x 800 x 2160 mm

Thermal Runaway Protection Yes

HVAC N/A

Color RAL 7035 Grey-White/RAL 9005 Black

Certifications

Battery Cell UL1642

Battery Packs UL1973, UN38.3

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3600 Steeles Ave. East
Markham, ON L3R 9Z7
Canada

☎ 1-888-99-TROES(87637)

✉ Info@troescorp.com

🌐 www.troescorp.com