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Notes:



TrinaBESS - Trina Battery Energy Storage Systems - is the energy storage company of Trina Group and the sister company of Trina Solar, the global leader of PV total solutions.

TrinaBESS designs, manufactures and delivers battery energy storage systems (BESS) for utilities, solar companies, project developers, installers and distributors for residential, commercial and utility markets. TrinaBESS provides on / off grid, off grid, handy power and microgrid energy storage solutions from 0.4 kWh batteries to 2 MWh batteries and larger. From its foundation in 2010 TrinaBESS has grown to one of the world's leading energy storage companies with over 100 R&D staff members and an international presence in Europe, North America, Australia and Asia.



Energy Storage Solutions for the Commercial and Industrial Market

Industrial / Commercial

Energy arbitrage
Uninterrupted power supply
Avoid demand charges

Grid Support

Frequency response
Short term operating reserve
Voltage support

Community On and Off-Grid

Local power security
Uninterrupted power supply
Reduces fossil fuel use

Scalable Capacity:

≤ 2 MWh / container

Discharge Duration:

15 min - 4 hrs

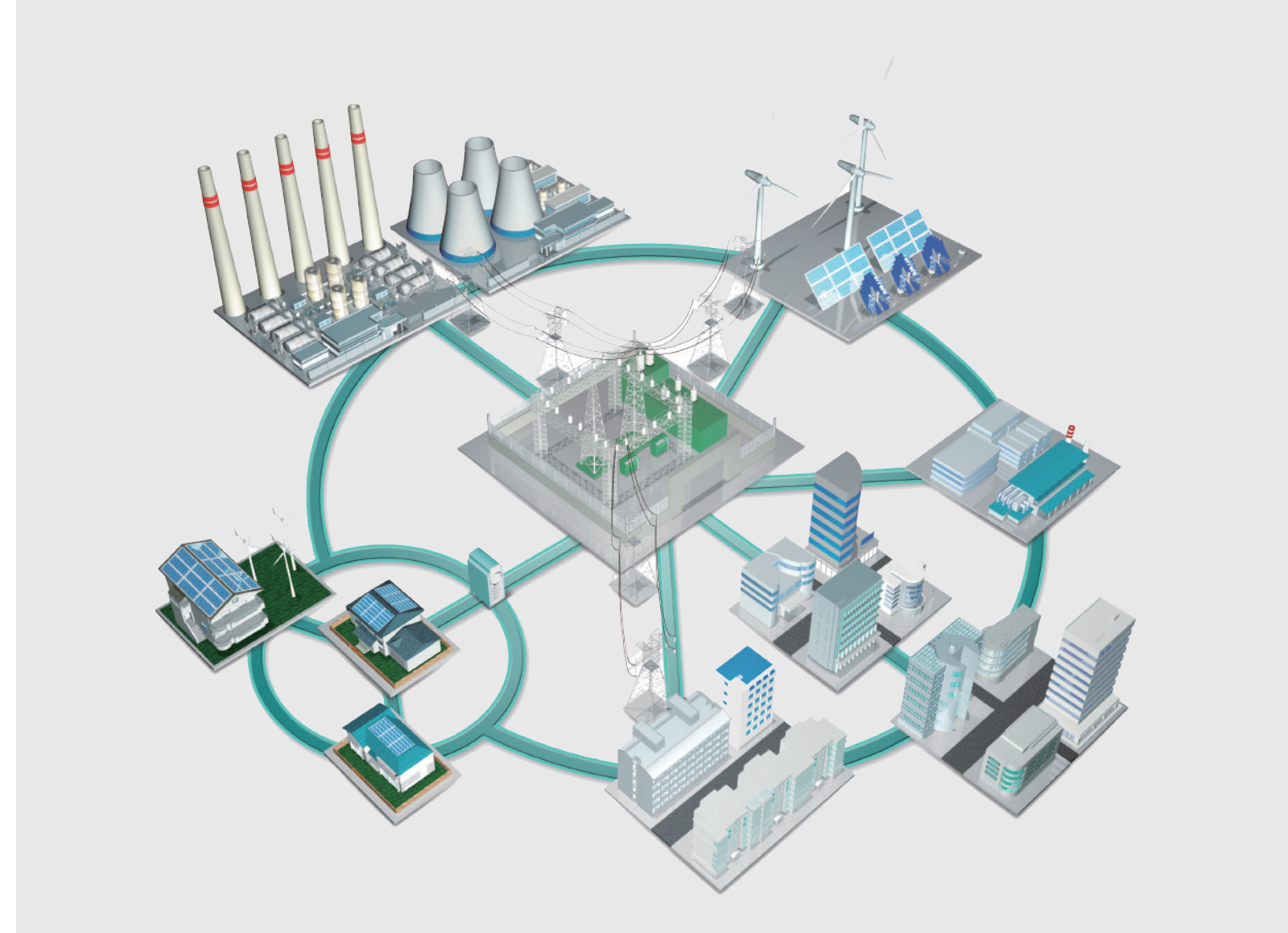
Rapid Response Time:

≤ 100 ms

System Efficiency (AC / AC):

≥ 90 %

The Custom-Made Large Capacity Energy Storage Solution



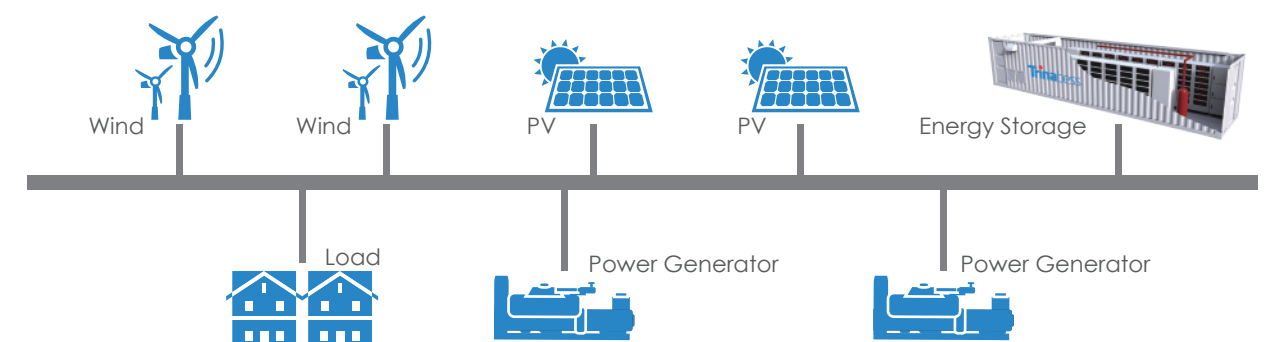
Micro Grid Solution

Energy Storage Solutions for Remote Areas and Islands

Micro-Grid is a small size grid which can supply different loads and keep the electricity managed. Through cooperation control with main grid, Micro-Grid can be connected to the main grid smoothing and run separately.

TrinaBESS provides integrated clean energy power solutions. We are the competent contact for our customers in all project phases from the start to handover. From the first consultancy session to a successful commissioning and the demonstration of performance, experienced engineers assist our customers on every step of the way.

BESS Work with Diesel Generators and Renewable Energy



The whole system can enhance the stability of grid, reduce diesel fuel consumption and defer the upgrade of main grid caused by more and more loads.



TrinaCommercial

Energy Storage Solutions for Commercial Installations

TrinaCommercial integrates with solar or independently to provide your businesses, factories and villas with continuous power in day and night.



Reduces Electricity Bills

Charge during off-peak times
Discharge during peak times



Emergency Power Back-up

Discharge during a black-out
Functioning as back-up power



Plug and Play System

State-of-the-art production system
Verified quality and stability
Cloud platform & APP function

TrinaCommercial

Retrofit system

Warranty:

5 years product, 10 years battery

Output Power:

18 kW three-phase

Capacity:

30 kWh - 60 kWh
Expandable to MWh



Trinahome S & T Series

Hybrid Solution for Residential Installations

S&T Series is hybrid energy solution for new residential installation that use intelligent system to manage energy in your family.



Multi-function

Visualisation
Self-consumption
Modular customised



Back-up Power Function

Optional for three-phase inverter
Integrated in single-phase inverter
Auto switch time < 5 seconds



Remote Control

Cloud platform & APP function
Easy to match with HEMS

TrinaHome S & T Series

PV & Battery hybrid system

Warranty:

5 years product, 10 years battery

Output Power:

3.7 kW single-phase
5.2 kW & 9.8 kW three-phase

Capacity:

3 kWh - 18 kWh
Expandable in steps of 3 kWh



Trinahome PowerCube 2.0

Retrofit Solution for Residential Installations

PowerCube 2.0 works for retrofit installation and allows customer use solar power at night to save electricity bills.



Flexible Installation

Compact size
Easy installation with 1 man 2 hours
Wall mounted/pedestal 2 points support



High Performance

Reliable structural design
IP55 for covered outdoor installation
Easy to match mainstream PV inverters



Expandable

Customised design
Parallel battery packs

PowerCube 2.0

Retrofit system

Warranty:

5 years product, 10 years battery

Output Power:

3.6 kW single-phase

Capacity:

4.8 kWh, 7.2 kWh, 9.6 kWh



Trinahome Handy Power

Energy Storage Solutions for Outdoor activities

The portable energy storage solution for indoor or outdoor activities and emergency backup use.



Safety

Dust and weather proof
Automatic turn off when fully charging



User Friendly

Plug and play
LED indicators for easy understanding



Multi-function

Emergency power supply
Portable design for outdoor activities

Handy Power

Off-grid product

Output Power:

300 - 500 W

Capacity:

400 - 1200 Wh

Successful Stories

Mauritania Micro-grid Project

Project Overview
Location: Nouakchott, Mauritania
Completed: Mar. 2017
Ower: Damane Assurances SA
Project Designer and Installer: TrinaBESS
System Size: PV 40 kW + BESS 320 kWh + Diesel 415 kVA
Electricity Saved Annually: 84,096 kWh
Estimated Annual Saving: 56,000 USD



Triad and Frequency Regulation Project in United Kingdom

Project Overview
Location: United Kingdom
Completed: Q3 2017
Electricity Off-Taker: National Grid
Project Integrator: TrinaBESS
System Size: 2 sets of 2 MW / 2 MWh
Function: Triad and Frequency Regulation



Maldives 2A+2B Micro-Grid Project

Project Overview
Location: 27 islands in Maldives
Completed: Feb. 2018
Owner: Ministry Environment and Energy
Project Member : TrinaBESS
Type B: PV / Diesel / Grid support battery system
Type C: PV / Diesel / Grid forming battery system



Australia Residential Projects

Project Overview
Location: Victoria / Adelaide, South Australia
Completed: May 2017
Project Designer and Installer: TrinaBESS
Products: PowerCube 2.0 + PowerBox
System Size: existing PV with SMA inverters
+ 9.6 kWh PowerCube 2.0 (AC)
Estimated Annual Saving: 900 - 1,100 AUD



Japan Residential Projects

Project Overview
Project Location: Tokyo, Osaka, Yokohama, Nagoya, Kumamoto
Completed: 2016
Product Model: F6515A, F3215A
Project Designer and Installer: TrinaBESS
ESS Power / Capacity: 1.5 kW / 3.2 kWh, 1.5 kW / 6.5 kWh

