

EnerCube Mini e-Storage

Residential & Commercial (BESS)

Single Phase

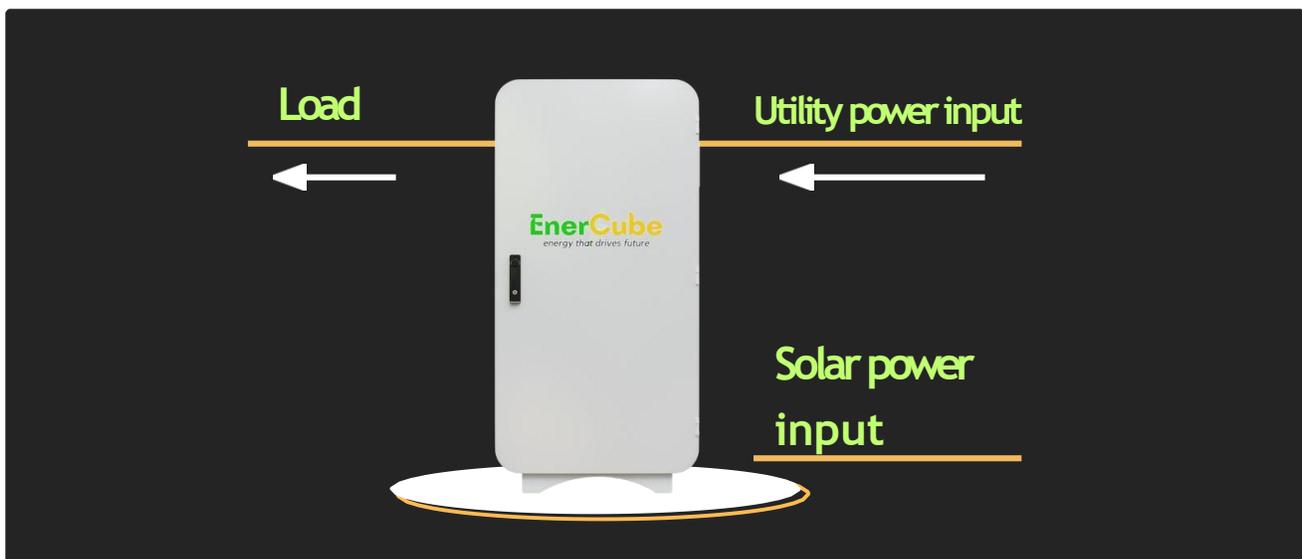
5kWh ~ 20kWh



Feature-Loaded Residential & Commercial Storage System



- It is a set of intelligent Energy storage system in built with best lithium-ion (LFP) Batteries for the highest level of safety, reliability and performance.
- The Plug and Play architecture of EnerCube mini e-storage is the ideal solution for the residential and small commercial power backup.
- It contains built in inverter and MPPTs allowing DC charging from the solar power in addition to AC Charging from the Grid, Diesel generator or any other AC source.
- EnerCube mini is a modular and easily expandable by adding the power of energy module in step of 5kW/5kWh to 5kW/20kWh to create the system backup time of your need,



Features



Plug And Play
Design



Integrated MPPT For DC
Solar Charging



Off-grid Operation
Capability With Solar



Highly Safe To
Use



Priority Settable For
Grid, Solar & Battery



>94 % DC
Efficiency

Enertech Overview

Enertech specializes in providing highly customizable EnerCube battery energy storage solution for IPPs, C&I and utilities in the renewable space.

Our battery energy storage system comes with an energy management system, a ML based software and firmware which optimizes the cost of operation by intelligently managing the available resources such as PV, DG, Biogas etc.

Our EnerCube e-Storage is a Cabinet Based design to operate in off-grid/on-grid mode coupled with a solar PV and wind, designed for the C4 corrosive environment.



EMS customizable edge-based computing system is designed for stacking value streams including energy shift, DG offset, peak shaving, PV utilization, reactive power control, voltage regulation, backup power etc. to maximize savings.

The system can be easily integrated with most of the industry accepted protocols including legacy SCADA.



30 years R&D
experience



R&D Recognized by
DSIR Govt. of India



IGBT & Zero Change
over time in PCS



120MW Delivery
power



NO1 BESS products
manufacture



20,000+ installations
across globe



500+ Partners



75+ Team

Specification Data Sheet		Mini e-Storage BESS		
Rating	3kW / 5kWh	5kW / 10kWh	10kW / 20kWh	
INPUT				
Input Voltage	230 VAC			
Voltage Range	.+ / - 15%			
Frequency Range	50 Hz/60 Hz (Auto sensing)			
Environmental Humidity	5%-90%			
Ambient Temperature	10°C to 45°C			
Operating Temperature	(-10°C to 50°C)			
BATTERY				
Battery Type	Lithium-ion(LFP)			
Depth of Discharge (DOD)	90%			
Ampere Rating	200AH	200AH	2*200Ah	
Battery Voltage	24 VDC	48 VDC		
Battery Cycles	4000 at 80% DOD			
Floating Charge Voltage	22 VDC	44 VDC	54 VDC	
Overcharge Protection	26 VDC	66 VDC	66 VDC	
OUTPUT				
AC Voltage Regulation	230 VAC + 5%			
Efficiency (Peak)	98% (Line Mode), 90% (Battery Mode)			
Output THDv	>than 3% for linear load, <8% for non-linear load			
Surge Power	10 KVA for 5 sec.			
Waveform	Pure sine wave			
Relative humidity	0 ~ 95% (non -condensing)			
Transfer Time	10 ms			
Enclosure	Cabinet design provides a high protection class IP 20*.			
COOLING CONCEPT				
Inverter Chamber	Natural Air Flow, Ventilation			
Battery Chamber	Natural Air Flow, Ventilation			
SAFETY & RELIABILITY FEATURES				
Features	Perfect protection function for inverter and battery			
	Redundancy design for important functions			
	DC electric circuit safety management			
	multi-state monitoring and linkage actions ensure battery safety			
Monitoring	RS485/Wi-fi*			
SOLAR				
Solar Charger Type	MPPT			
MPPT Operating Voltage Range	60-500 V	60-500	90-500	
Max PV Array Oper Circuit Voltage	500 VDC			
PV Current	18 A	27 A	18/18 A	
Weight (KG)	80	90	150	
Diamension mm(WxHxD)	700x1450x1350	700x1450x1350	700x1450x1350	

- Note:
- Wi-fi cost extra @1500.00 if needed
 - E-Series of 24V did not support Parallel Option
 - All Model are IP 21 Enclosure.
 - Payment 100 % advance through NEFT/ RTGS.(50% Advance with P.O and Balance before Dispatch)
 - Delivery Period 2-3 weeks (As per mutual discussion) from the date of non-negotiable, non-cancellable
 - Extended warranty : @8% per year
 - GST and Taxes Extra as applicable
 - Standard Service Toll Free No: 9373679255 service call will be attended in 48 to 72 hours after call logged on to Enertech.
 - Installation Charges: Extra, Freight: Extra.
 - Specification Might change without prior Notification.

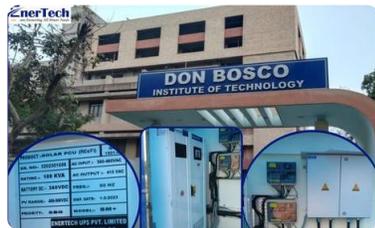
Site References



Application: Industry
Rating: 400kW/600kWh
Site location: Tamil Nadu, India



Application: Healthcare
Rating: 200kW/500kWh
Site location: Ponducherry, India



Application: Institute
Rating: 100kW/100kWh
Site location: Mumbai, India



Application: Poly House
Rating: 200kW/200kWh
Site location: Nashik, India



Application: Micro Grid
Rating: 100kW/200kWh
Site location: Ladakh, India



Application: Cold Storage
Rating: 300kW/400kWh
Site location: Kanpur, India



Application: Education University
Rating: 100kW/200kWh
Site location: Ladakh, India



Application: Resort
Rating: 250kW/300kWh
Site location: Goa, India

Over 120 MW & 20,000+ Customer across the globe & exported to Saudi, Dubai, Philippines, Myanmar, Bangladesh, Yemen, Lebanon, Dubai, Singapore, Zambia, Tanzania, Uganda, and Nigeria.

Product Overview



**Residential Solar
Storage System**
5kWh~5KWh



**Plug & play
Storage Cabinet**
100kWh ~300KWh



**All-in-one Hybrid
Compact systems**
50kWh ~ 200KWh



**Energy Storage
Container**
500 kWh ~MWh



**Energy Storage
Container**
500 kWh ~MWh

Enertech Approach for EnerCube e-Storage

Sizing & Design

Analyze customer use case and needs

Model technical and financial parameters

Determine right size, technology and configuration for the customer

Turnkey execution

Fully integrated EnerCube BESS manufacturing at Facility

Shipping and installation post acceptance testing

Standardized site acceptance testing and commissioning

Operations & Maintenance

Dispatch strategy to maximise value from the ESS

Real time remote monitoring and data driven preventive maintenance

Warranties and Long-term capacity contracts



Solutions architects
- expert support

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