

Multifunctional Energy Storage Modular solution PCS 100kW-1000kW

The system adopts advanced digital control technology, which optimizes the control performance and improves the reliability of the system.

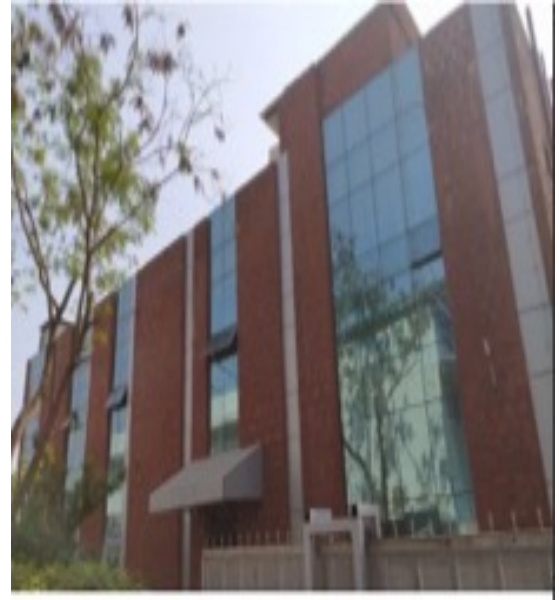


Enertech Overview



Enertech is a high-tech enterprise specializing in the sales, and service of energy conversion technology products.

Enertech is a leading solution provider for energy storage, energy storage PCS, Hybrid solar PCU and as well as a manufacturer of Industrial Battery Charger, Static Frequency convertor & Industrial UPS.



**ENERGY THAT
DRIVES FUTURE**



30 years
R&D experience



R&D Recognized by DSIR
Govt. of India.



IGBT and Zero Change
over time in PCS



120MW
Delivery
power



NO.1
BESS products
manufacture



20000+
installations across
globe



500+
Partners



75+
Team



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

Ener-Cube Multifunctional Energy Storage PCS



The system adopts advanced digital control technology, which optimizes the control performance and improves the reliability of the system.

Flexible

- String inverter, avoid battery circulation
- work with STS for seamless on/off grid switch

Intelligent

- multiple operating modes: VSG, PQ, and VF
- parallel operation on off-grid, black start

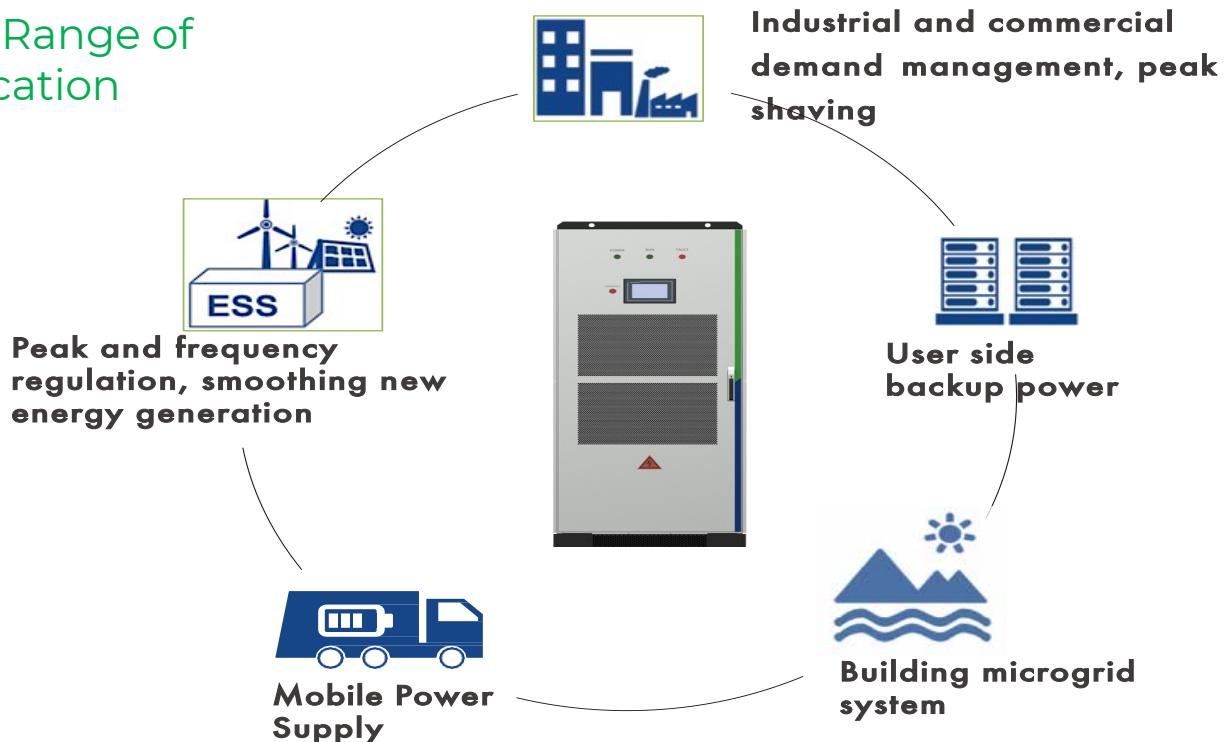
Reliable

- Three level topology, high conversion efficiency
- Each module operates independently

Grid friendly

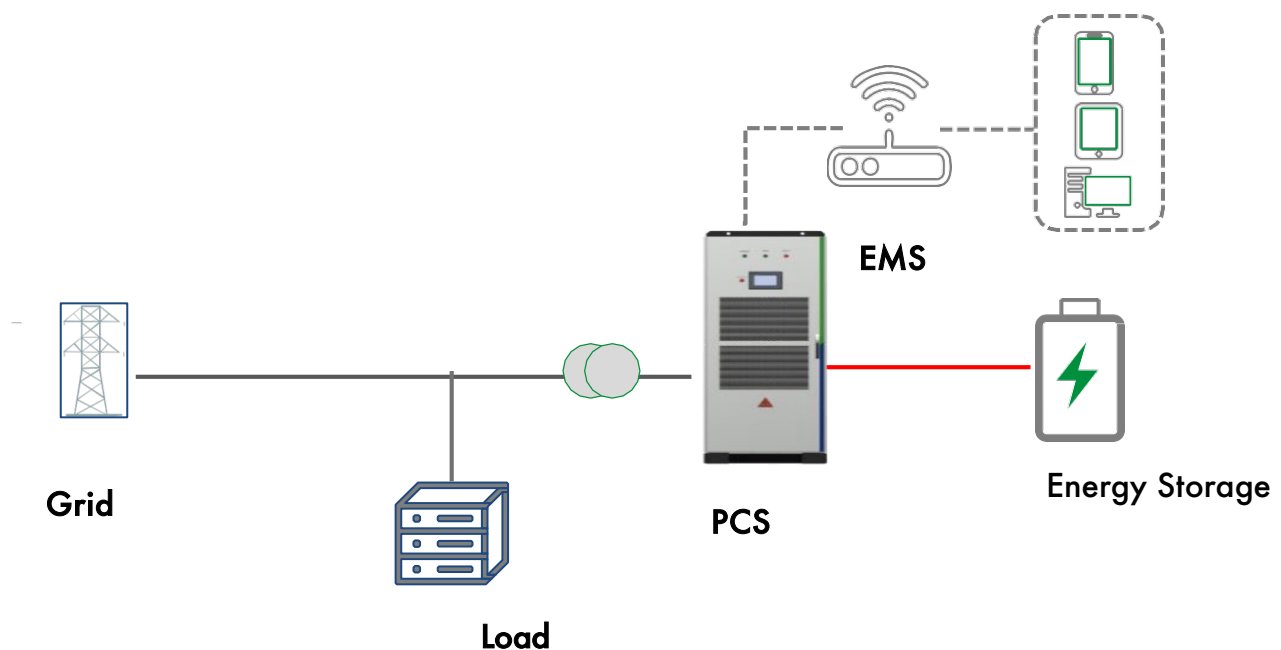
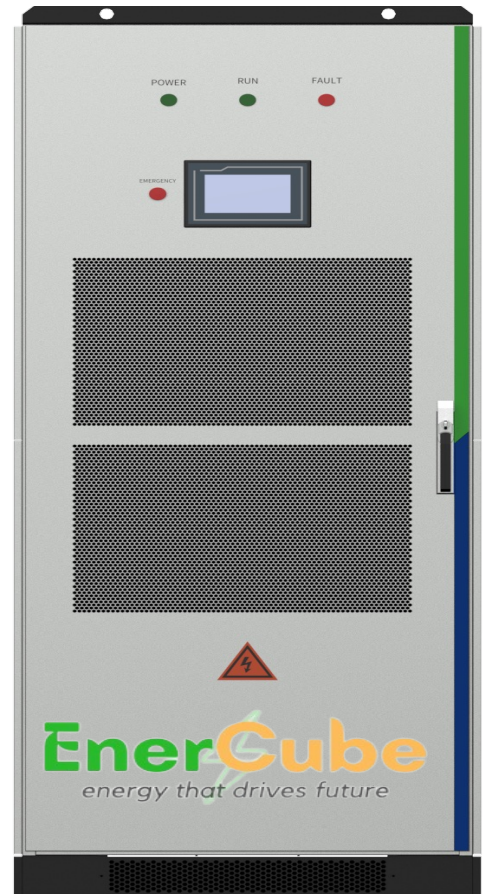
- LVRT and HVRT
- Active and reactive four quadrant regulation

Wide Range of Application



Key product features

- Multiple working modes.
- Seamless switching between on-grid and off grid modes, <math><20\text{ms}</math>.
- RS485 , Ethernet communication modes.
- Functions of low voltage ride through and reactive power compensation.
- 100% unbalanced load capacity in off grid operation.
- Continuous 105% rated output power.
- Modular design and flexible product.
- High efficiency, high reliability.
- Battery technology independence.



Technical Data and Specifications



Model	E-cube 100	E-cube 200	E-cube 300	E-cube 500	E-cube 1000
Specification (KW)	100KW	200kW	300kW	500kW	1000kW
DC Input					
DC voltage range (V)	615~950Vdc				
Number of input channels	1	2	3	5	10
Maximum current (A)	171	342	513	855	1720
Peak short-circuit current (A)	4000				
Busbar capacitor discharge time	10 minutes				
Battery type	Lead-acid batteries/Lithium Battery				
Grid Tied AC Output					
Voltage range/rated voltage (V)	400V±10%				
Frequency range (Hz)	50/60±5 Adaptive				
Wiring method	3P3W/3P4W				
Rated power (KW)	100	200	300	500	1000
Maximum power (KW)	110	220	330	550	1100
Rated current (A)	152	304	456	760	1100
Max. Apparent Current (A)	167	334	500	835	1520
Short circuit current (A)	177	354	530	885	1770
Power Factor	0.99				
Power factor adjustment range	1 (leading) ~ 1 (lagging)				
Current distortion rate (KW)	<3% (rated power)				
DC component	0.50%				
Overload capacity	110% long term				
Maximum discharge efficiency	98.20%				
Off-Grid AC Output					
Rated output voltage (V)	400				
AC voltage harmonics	<3% (linear load)				
Frequency (Hz)	50±5Hz				
AC output power (KW)	100	200	300	500	1000
Equipment Protection					
With function	Battery anti-reverse connection, DC overcurrent protection, AC overcurrent protection, AC overvoltage protection, surge protection, grid monitoring				
Dimension (W*D*H,mm)	800*1000*2160	800*1000*2160	800*1000*2160	1100*1000*2160	1200*1000*2450
Weight (kg)	400	500	600	650	1100
Altitude	2000m				
Operating temperature	(-)30°C to 55°C (45°C derating use ; derating to 80% of total current at 55°C)				
Storage temperature	(-)45°C~70°C				
Humidity	Less than 95% RH, non-condensing				
Cooling method	Intelligent air cooling				
Type of converter	Non-Isolated				
Protection level	IP20				
Communication Interface	RS485				
Conformity to standards	EN/IEC 62109-1,EN/IEC 62109-2,IEC 62116				

*Specifications and Product image /color are subject to change without prior notice.

Enertech® is trademark of Enertech UPS Pvt. Ltd., Enertech® does not accept, not imply, the acceptance of any liability with regard to the use of the information provided. The information is provided solely as a general reference to the potential benefits that may be attributable to the technology discussed.

If you have any questions regarding your project requirements, please contact us.

Product Overview

Residential ESS

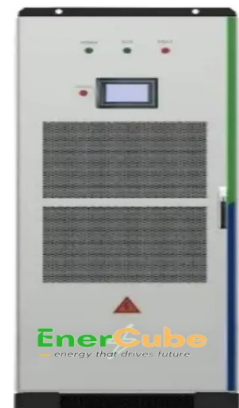
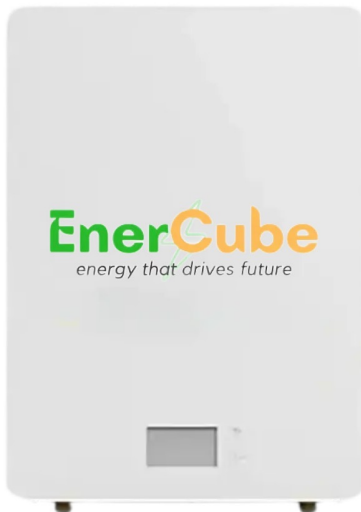
- Ener-cube mini Hybrid BESS

C&I ESS

- Ener-cube BESS
- Outdoor BESS cabinet

Energy Storage PCS

- Hybrid PCS
- Modular PCS





Market & Sales by

Enertech Industrial Solution LLP
S. No. 399/1-2, Bhare, P.O. Ghotawade, Near
Pirangut, Taluka- Mulshi,
Dist.- Pune - 412115 India

Our Product Offering

- Online UPS
- Energy storage System
- Solar Hybrid PCS
- Static Frequency Converter,
- Industrial Battery Charger

Solutions architects

– expert support



Mobile /WhatsApp:
+91 9920051821 , +91 9373336340

E-mail :
Sales@enertcehups.com

Web. : www.enertechups.com

Enertech® is trademark of Enertech UPS Pvt. Ltd., Enertech® does not accept, not imply, the acceptance of any liability with regard to the use of the information provided. The information is provided solely as a general reference to the potential benefits that may be attributable to the technology discussed.

If you have any questions regarding your project requirements, please contact us.

All Rights Reserved. COPYRIGHTS Enertech®