

# EnerCube Solar Hybrid Inverter With Energy Storage

Single Phase : 3kW to 4kW / 24VDC,  
5kW to 8kW / 48VDC



## Max PV input current

Designed with 27A PV input current compatible to increased Imp of solar panel



## On-Grid and Off-Grid

Ener-Cube series is suitable for on-grid and off-grid applications



## Battery

Battery equalization function extend lifecycle  
Reserved communication port (RS485) for BMS



## Easy access

Programmable supply priority for PV, Battery or Grid



- Programmable Multiple Operation Modes: Grid-tie, Off-grid And Grid-tie With Backup
- Detachable LCD Control Module With Various Communications
- Built-in Wifi For Mobile Monitoring (App Is Available)
- Supports USB On-the-go Function
- Reserved Communication Port (RS485, CAN-BUS Or RS232) For BMS
- Battery Independent Design
- Battery Equalization Extends Lifecycle
- User-friendly LCD Operation
- Replaceable Fan Design For Ease Of Maintenance
- Feed-in To The Grid
- Parallel Upto 6 Unit.
- GFCI, Rapid Shutdown, AFCI Detection.

# 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 Converter and Industrial UPS.



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



30000+  
installations across  
globe



500+  
Partners



75+  
Team



## Technical Specifications

MODEL	SPU-3KW	SPU-4KW	SPU-5KW	SPU-6KW	SPU-8KW
Rated Power	3000VA/3000W	4000VA/4000W	5000VA/5000W	6000VA/6000W	8000VA/8000W
<b>INPUT</b>					
Voltage	230 VAC				
Selectable Voltage Range	170-280 VAC (For Personal Computers), 90-280 VAC (For Home Appliances)				
Frequency Range	50 Hz/60 Hz (Auto sensing)				
<b>OUTPUT (OFF-GRID OPERATION)</b>					
AC Voltage Regulation (Batt. Mode)	230VAC $\pm$ 10%				
Surge Power for 5 Sec	8000VA		12000VA		16000VA
Efficiency (Peak)	90% ~ 93%				
Transfer Time	15 ms (For Personal Computers) 20 ms (For Home Appliances)				
Waveform	Pure sine wave				
<b>OUTPUT (GRID-TIE OPERATION)</b>					
Nominal Output Voltage	230 VAC				
Output Voltage Range	195.5 - 253 VAC (Selectable)				
Output Frequency Range	49 Hz ~ 51 Hz				
Grid Export	Available				
<b>BATTERY</b>					
Battery Voltage	24 VDC		48 VDC		48 VDC
Floating Charge Voltage	27 VDC		54 VDC		54 VDC
Overcharge Protection	33 VDC		63 VDC		63 VDC
Maximum Solar Charging Current	120A		120A		150A
Maximum AC Charging Current	100A		100A		120A
Battery Support	Lead Acid or Lithium-Ion				
<b>SOLAR CHARGER &amp; AC CHARGER</b>					
Solar Charger type	MPPT				
Maximum PV Array Power	5000W		6000W		8000W
MPPT Range @ Operating Voltage Range	120 ~ 450 VDC		120 ~ 450 VDC		90 ~ 450 VDC
Maximum PV Array Open Circuit Voltage	500 VDC		500 VDC		500 VDC
<b>PHYSICAL</b>					
Dimension, D x W x H (mm)	115 x 300 x 400				145 x 438 x 553.6
Net Weight (kgs)	9		10		20
Communication Interface	USB / RS232 / RS485 / Wifi / Dry-contact				
Parallel Option	Upto 6 Unit				
<b>OPERATING ENVIRONMENT</b>					
Humidity	5% to 95% Relative Humidity (Non-condensing)				
Operating Temperature	-10°C to 50°C				
Storage Temperature	-15°C to 60°C				

EnerTech® does not accept, nor imply, the acceptance of any liability regarding 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®

# Product Overview

Residential Energy Storage Inverter



## PCS Product Family



**Wall Mounted Solution**  
Range: 5kW - 50kW | 1P & 3P



**Large Scale Solution**

Range: 500kW - 1500kW | 3P-3P



**Medium C&I Solution**  
Range: 5kW - 300kW | 1P & 3P



**Modular PCS**  
100kW ~ 2.5MW



## Market & Sales by

### **Enertech Industrial Solution LLP**

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

## Contact

+91 9920051821 / +91 9373336340

## Email

[sales@enertechups.com](mailto:sales@enertechups.com)

## Our Product Offering

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



Web. : [www.enertechups.com](http://www.enertechups.com)