

EnerTron Solar Hybrid Inverter With Energy Storage

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



Max PV input current

Designed with 22A PV input current compatible to increased Imp of solar panel



On-Grid and Off-Grid

EnerTron 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

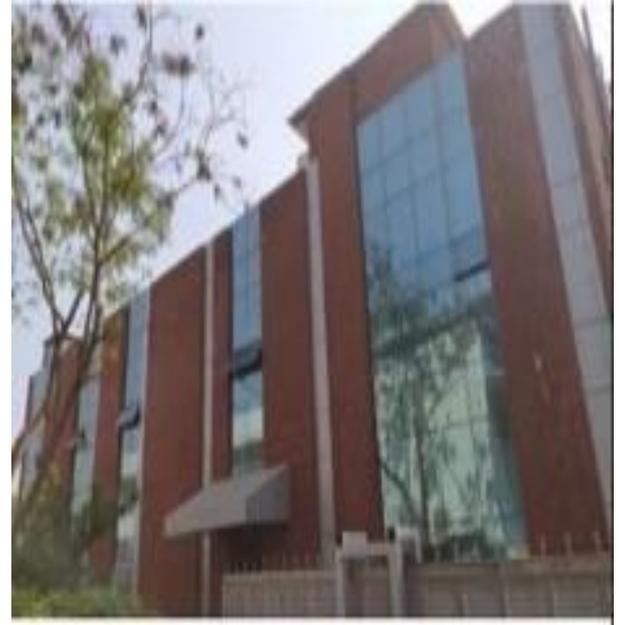


- Programmable Multiple Operation Modes: Grid-tie, Off-grid And Grid-tie With Backup
- Detachable LCD Control Module With Various Communications
- Built-in Wifi For Mobile Monitoring (App Is Available)
- Supports USB On-the-go Function
- Reserved Communication Port (RS485, CAN-BUS Or RS232) For BMS
- 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: EnerTron	Axpert		Premium			Ultra
SPU Rating	SPU-3KW	SPU-4KW	SPU-3KW	SPU-5kW	SPU-6KW	SPU-8KW
Rated Power	3000W	4000W	3000W	5000W	6000W	8000W
INPUT						
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)					
OUTPUT (OFF-GRID OPERATION)						
AC Voltage Regulation (Batt. Mode)	230VAC ± 10%					
Surge Power for 5 Sec	8000VA		6000VA	12000VA		16000VA
Efficiency (Peak)	90% ~ 93%					
Transfer Time	15 ms (For Personal Computers) 20 ms (For Home Appliances)					
Waveform	Pure sine wave					
OUTPUT (GRID-TIE OPERATION)						
Nominal Output Voltage	230 VAC					
Output Voltage Range	195.5 - 253 VAC (Selectable)					
Output Frequency Range	49 Hz ~ 51 Hz					
Max. AC Input / Output Current(A)	26A / 17.4A		35A / 22A			60A / 34A
BATTERY						
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		100A	120A		150A
Maximum AC Charging Current	100A		60A	100A		120A
Battery Support	Lead Acid or Lithium-Ion					
SOLAR CHARGER & AC CHARGER						
Solar Charger type	1 MPPT			2 MPPT		
Maximum PV Array Power	5000W		3000W	6000W		8000W
MPPT Range @ Operating Voltage Range	120 ~ 450 VDC		60 ~ 400 VDC	120 ~ 450 VDC		90 ~ 450 VDC
Maximum PV Array Open Circuit Voltage	500 VDC		450 VDC	500 VDC		500 VDC
Max DC Input / Output Voltage	24V / 27V		48V / 54V			48V / 54V
PV Current	18A			27*2(Max 40A)		
PHYSICAL						
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 / RS485 / Inbuilt Wifi					
Parallel Option	Available					
OPERATING ENVIRONMENT						
Humidity	5% to 95% Relative Humidity (Non-condensing)					
Operating Temperature	-10°C to 50°C					
Storage Temperature	-15°C to 60°C					
Warranty	2 Years Standard (Extended Upto 5 Years)					
Enclosure	IP 21					

Last Update: 07/01/2025

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

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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

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Our Product Offering

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



Web. : www.enertechups.com