

# EnerTech

## INDUSTRIAL INVERTER

5kVA ~ 300kVA

3ph-3ph

Reliable & Performing Inverter  
for your Energy conversion needs !



## About Us

Enertech® UPS Pvt. Ltd is industry leading electrical and power electronic product designer and manufacturer since over 30 Years.

The Enertech® products cover main application :

- ☐ Industrial and commercial energy storage with renewable integration Solar PCU,
- ☐ Industrial UPSs,
- ☐ Battery Charger and
- ☐ Static Frequency Converter

The Enertech® Product are design with 100% Indigenous technology using the in-house R&D setup strive for constant success in leveraging technological innovation are manufactured at our Pune India



**30 Years Experience In Manufacturing  
and Development In Cutting Edge  
Inverter Technology.**



**EnerTech**  
Answering All Power Needs

Standard Specification Smart Industrial Inverter																
INVERTER CAPACITY (Kva)	5	10	15	20	25	30	40	50	60	80	100	120	150	200	250	300
Grid																
Input Wiring	3PH Five Wire (3 PH + N + E)															
Input Neutral Requirement	Yes															
Nominal Voltage	330V To 450V FOR 3PH															
Grid Frequency Sync Range	50 Hz (± 6%)															
Unity Power Factor For Grid Charging	Near To Unity															
Operating Condition	Continuous															
Input Fault Level	>=10 Ka															
Self-consumption	Up To 4%															
Charger Peak Efficiency	Upto 95%															
DG Compatibility	YES( Double Of Inverter Capacity)															
Grid Compatibility	Yes Same As Inverter Capacity															
Input Voltage Distortion Allowed	Less Than3%															
Grid Charger Capacity	50 % Of KVA Rating															
Battery																
Nominal Battery Voltage (VDC)	96	120	240				240/360/384				480/600		600			
Battery Buffer Setting	DC Voltage Selectable Through Kay Pad															
Grid Charging Current	Settable Through Kay Pad															
Temperature Compensated Charging	Yes															
Battery Charging Voltage	Selectable From LCD Display															
Type & No. Of Cells	Lead Acid / VRLA / Ni-cd / Lithium Ion															
BMS Compatible	Yes															
Output																
Output Voltage (Inverter Mode)	415vac ± 2 %															
Output Frequency (Free Running)	50 Hz ± 1%															
Output Load In Amp Per Phase	5	11	16	22	28	33	44	56	67	89	112	134	168	224	280	336
Output Waveform	Pure Sine Wave															
Peak Inverter Efficiency (Full Load)	Upto 90 %															
Total Harmonic Distortion	Upto 3% At Linear Load															
Overload Capacity	125% For 60sec, 150% For 5 Sec															
Changeover Time (Full Load)	No break Change Over Time															
DC To AC Galvanic Isolation	In Built Isolation Transformer at Inverter Output															
Auto Bypass Feature	Yes															
Unbalance Load Handling Capacity	Yes															
Duty	Continuous															
Configuration																
Modes Available	Grid Saving, Battery Backup, Export															
Power Export To Grid	Enable / Disable Option Available															
Power Import From Grid	Enable / Disable Option Available															
Environmental																
Acoustic Noise Level From 1 M	≤ 65 Db															
Operating Temperature	0 To 40 Deg C(Dust Free Cooled And Dry Environment)															
Storage Temperature	-10 Deg C To 60 Deg C															
Relative Humidity	Up To 95 % (Non Condensing)															
Altitude	< 1000 Meter Above Sea Level															

Physical																	
Enclosure Thickness	As Per Industrial Standard																
Cooling	Forced Air																
Colour	Ral 7016							Ral 9016									
Cable Entry	Bottom																
Parameters Displayed On LCD																	
Input Group	1. Voltage, 2.Current, 3. Frequency, 4. Kw, 5. Kva, 6. Import Kwh , 7. Export Kwh, 8. Pf																
Inverter Group	1. Voltage, 2. Current, 3. Frequency, 4. Kva																
Output Group	1. Voltage, 2. Frequency																
Battery Group	1. Voltage, 2. Current 3. Soc																
Protections																	
Electrical Protections	Circuit Breaker And Fuse																
Electronic Protections																	
	Alarms Are Provided For All Important Protections.																
Inverter Group	1. Input Under Voltage, 2. Input Over Voltage, 3. Charger Over Voltage, 4. Under /Over Frequency																
Inverter Group	1. Output Under Voltage, 2. Output Over Voltage 3. Overload, 4. Output Short Circuit, 5. Inverter Over Temperature																
Solar Group	1. Surge Protection , 2. Reverse PV Panel Protection																
Battery Group	1. Battery Low , 2. Battery Over Charge 3. Battery Charging Current Limit																
Connectivity																	
Communication	RS 232or RS 485																
Protocol	Modbus Rtu																
LCD With Backlight & Tactile Kay Pad Interface	Yes																
Safety Factor	1 For Electronic Devices, 1 For Electrical																
Earthing Connection (Ref. Is 3043)	Earth Terminal Block			25- 40 Kva : 3 X 25 Mm GI (Earth Bus Bar Running Along The Panel)				45-150 Kva : 6 X 50 Mm GI (Earth Bus Bar Running Along The Panel)					200-300KVA: 6 X 50 Mm GI (Earth Bus Ba Running Along The Panel)				
Illumination Lamp	N.A.							11 W Cfl									
Gland Plate	Na							3 Mm MS C.R.C.A.									
Utility Socket	Na							5 A / 230 Vac									
Dimensions (In Mm)																	
Kva Rating	5	10	15	20	25	30	40	50	60	80	100	120	150	200	250	300	
Width (W)	450	450	450	450	450	450	600	800	800	1100	1100	1100	1565	1570	2900	2900	
Depth (D)	800	800	800	800	950	950	1000	950	950	800	800	800	850	850	850	850	
Height (H)	800	800	800	800	800	800	1300	1700	1700	1900	1900	1900	1900	1900	1900	1900	
Weight (Kg)approx.	125	150	150	300	350	350	650	650	700	850	900	1000	1200	1400	1500	1600	
Add On Accessories(not Standard Part For Inverter)																	
	1)gsm Based Remote Monitoring, 2. ) 2) Modbus RS4853) Radiation Sensor(pyranometer) 4) SMOKEDETECTOR. 5) IP 42 Enclosure And Above. 6) Manual Bypass																



## EnerTech Service

EnerTech® Highly Reliable And Efficient Products are Backed by A Highly Responsive and Dependable Field and Factory Services

### Services

- Start-up /Installation
- Factory and On-site Testing
- Preventive Maintenance
- Extended Warranty



30+ Service  
Personnel Pan-India



Pan-India Spare  
Parts Operations



Wide Repair  
Network

Please call for Technical Support



+91 9372623418

## Customers

Who We Work With

Just a few examples of customers that rely on EnerTech Product and services for the highest levels of Load uptime



Over 20,000+ Customer & exported our products to Saudi, Dubai, Philippines, Myanmar, Bangladesh, Yemen, Lebanon, Singapore, Zambia, Tanzania, Uganda, and Nigeria.







## Manufactured By

**ENERTECH UPS PVT. LTD.**

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

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