

Trusted Partner for **Smart Energy Solutions**



We help industries optimize energy usage and Safe, smart minimize electricity costs by addressing their power-related challenges.

1



Unexpected electricity interruption

2



High electricity bills are unbearable.

3



Managing peak and off-peak electricity costs effectively helps improve energy efficiency and reduce operational expenses.

LOOKING FOR CONVINCING REASONS TO GO SOLAR?



It will save your money

Solar power not only helps reduce electricity costs but also offers the potential to earn income through efficient energy generation. Today, the LCOE of solar energy is at grid parity or lower in many global markets.



It's a smart, long-term investment

Solar installations not only add value to your property but also help secure your future against increasing energy expenses.



It just feels right

Lower your carbon footprint by generating and using clean, renewable energy.



With solar technology more affordable than ever, now is the time to go solar.

Power Today. Sustain Tomorrow. With **EnerTech**.



Maximize solar energy utilization



Reliable Backup Power



Eco-friendly & Sustainable



Safe, Smart & Long - Lasting



Advanced Technology



High Efficiency



Indian Engineered for Global Standards



End-to-End Support

ENERGY STORAGE SOLUTIONS

Smart • Reliable • Sustainable



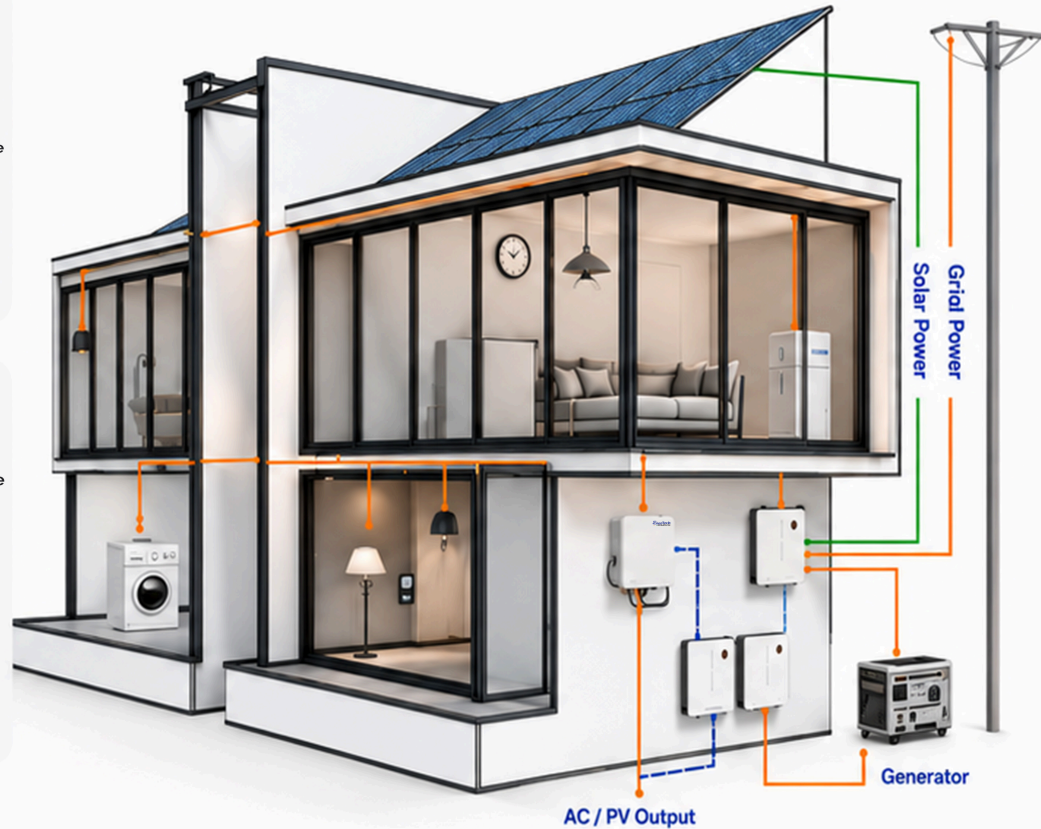
Hybrid Inverter

- Designed to meet the needs of all applications
- Ensuring maximum utilization of solar energy
- Enhancing energy independence and reducing overall electricity expenses.
- Ensure continuous power supply



Smart dongle

- Including GPRS/4G/Wi-Fi functions to flexibly match the network environment
- Support for remote operation and maintenance
- PLUG-and-USE, easy installation for diverse indoor and outdoor application environments.



Monitoring Platform



Advanced real-time monitoring for inverter, battery, key operation status, energy consumption, conversion efficiency, and system quality analysis.



The system automatically detects and alerts abnormal operating conditions, ensuring safety, zero risk of security, reliable & impeccable grid dispatch communication.



Wall Mounted LiFePO4 Battery



Quick and easy installation by a single technician, with remarkably minimal connectors, up to 8 units and reduce RISK, installation problems.



High-performance LiFePO4 battery with 6000 charge & discharge cycles for extended lifespan and reliable operation.



Smart BMS features real-time and three-levels protection, reliable, safe, and seamless system upgrades.



Energy Independence

Store your own energy and reduce reliance on the grid.



Cost Savings

Lower electricity bills with smart energy storage.



Backup Power

Reliable power during outages and emergencies.



Sustainable Living

Clean, renewable energy for a better tomorrow.



LIGHT WEIGHT



- Exceptionally lightweight system that puts less stress on your roof and has simpler installation requirements.



HIGH ADAPTABILITY

- Scalable design and flexibility allow system adjustments while meeting diverse customer needs for maximum installation convenience.
- Advanced Multi-MPPT design for multiple setups to maximize energy harvest across different roof orientations.
- Wide operating window and ultra-low start-up voltage for longer battery life and better performance.



FLEXIBLE

- One intelligent system for residential and C&I use.
- Grid, Energy Storage, and Off-Grid use together.
- Seamless switch to grid connection or off-grid operation mode to ensure continuous power supply with no critical loads interruption.



HIGHER REVENUE



- Up to 30% more energy through self-consumption optimization.
- VPP, DSO connectivity ready for more revenue and faster shutdown.
- Future-proofs your home with readiness for emerging energy markets and policy incentives.



SAFE & RELIABLE

- High-quality materials designed for long fusion with up to IP65 rating.
- PID resistant and Anti-corrosion for indoor & outdoor use.
- Global standards with certified safety.
- Comprehensive warranty ensures total peace of mind.
- Up to 7 intelligent working modes including VPP modes, for dynamic match and ROI.



BATTERY READY

- Protocols: Battery Lithium (CAN, RS485) Lead-acid (RS485) etc.
- Wide battery compatibility.
- When battery capacity is low, it can be set to switch to the grid/GEN to maintain battery life and extend battery life.



PRODUCT FEATURES



LIGHTER

Easy to install, built to last.



SMARTER

Advanced technology for optimal energy.



SAFER

Certified protection for your home.



GREATER SAVINGS



SMART ENERGY. RELIABLE POWER. SUSTAINABLE FUTURE.

EnerTech – Powering a Greener World.

SINGLE-PHASE & THREE-PHASE **SOLAR INVERTER**

Smart Performance. Reliable Power. Maximum Savings.

SINGLE-PHASE

HYBRID INVERTER

<10ms
Switching Time

20KG
Weight

48 VDC
Low Battery Voltage

10 YEAR
Extended Warranty

IP65
Ally Enclosure

INHE CLOUD
EMS Platform

KEY PERFORMANCE



**HIGH
EFFICIENCY**

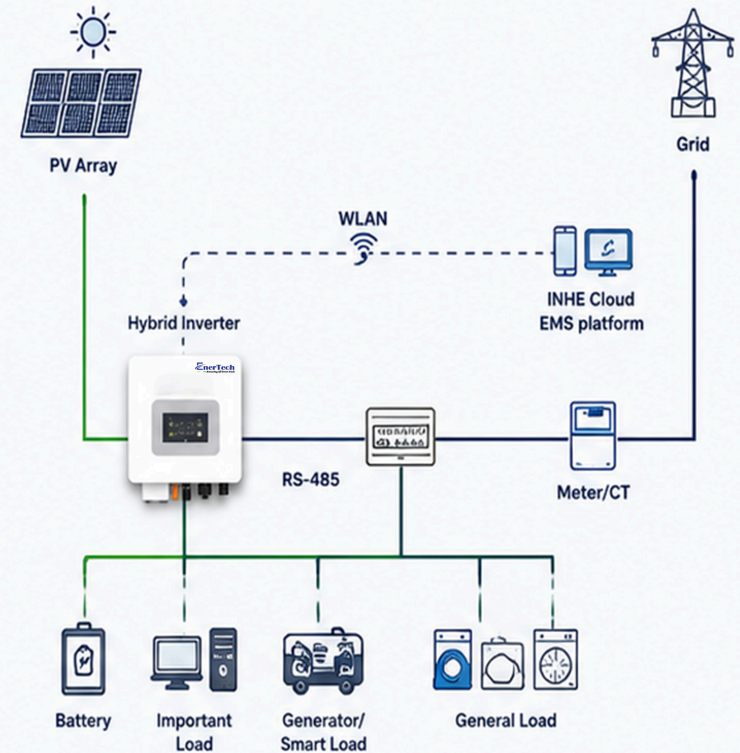


**SMART &
RELIABLE**



**SAFE &
DURABLE**

HYBRID SOLAR SYSTEM



MORE ENERGY FROM THE SUN

More power = more savings on your electricity bill



Lower Electricity Bills
Reduce monthly
energy costs



Energy Independence
Store and use your
own solar energy



Reliable Backup Power
Stay powered during
outages

SINGLE-PHASE

Hybrid Inverter
3-6kW | 48VDC



- Supports scalable parallel operation of up to 10 units - ideal for small and big solar systems.
- Flexible energy integration with GEN and grid-compatible, supporting work with or
- Wide MPPT voltage range compatible with low voltage expansion and high power
- Smart generator start/backup- Seamless auto start/stop for switching to continuous operation.
- Supports multiple Li battery protocols: Pylontech, Growatt, BYD, Goodwe, Soltao, Deye, Lithium, and battery detection.
- Silent, fanless design with less maintenance reliability.

SINGLE-PHASE

Hybrid Inverter
8-12kW | 48VDC



- Equipped with GEN port compatible with storage generator or on/off-box auto ATS
- Color touch screen 4.3" LCD display.
- Integrated Zero-export function.
- Compatible with both lead-acid & Li-ion batteries, supports various brands of
- Supports PV max. input up to 160% of rated inverter power.
- In and out off-the-grid mode, more operating voltage range.



SMARTER
Advanced technology or optimal energy.



SAFER
Multiple protection or your system.



RELIABLE
Built to last with premium components.



GREATER SAVINGS
More power, more savings.

Product Specification : 3kW-12kW | 48VDC

Technical Data	Unit	3 kW	4kW	5kW	6kW	8kW	10kW	12kW
PV INPUT (DC)								
Max. DC Input Power	W	4,500	6,000	7,500	9,000	12,000	15,000	18,000
Max. DC Input Voltage	V	500						
MPPT Voltage Range	V	120~450						
Start-up Voltage	V	120						
Max. DC Input Current / String	A	13			18			
No. of MPPT/ Strings per MPPT		1/1						
Max. Input Short Circuit Current	A	20/20						
AC OUTPUT (ON-GRID / BACKUP)								
Rated AC Output Power	W	3,000	4,000	5,000	6,000	8,000	10,000	18,000
Max. AC Apparent Power	VA	3,300	4,400	5,500	6,600	8,800	11,000	13,200
Rated AC Output Voltage	V	220/ 230/ 240						
AC Output Voltage Range	V	184 ~264.5						
Rated AC Output Current	A	13.6/13.0/12.5	18.2/17.4/16.7	22.7/21.7/20.8	27.3/26.1/25.0	36.4/34.8/33.3	45.5/43.5/41.7	54.5/522/50.0
Max. AC Current	A	15.0	20.0	25.0	30.0	40.0	50.0	60.0
Rated Grid Frequency	Hz	50/ 60						
Grid Frequency Range	Hz	45~55/55~65						
THDi		<3% (Linear Load)						
Power Factor		0.8 Leading ~ 0.8 Lagging						
Switch Time	ms	<10						
BATTERY DATA								
Battery Type		Lead-acid / Li-ion						
Battery Voltage Range	V	40~60						
Max. Charge Current	A	60 / 80 / 100 / 120			120/150 / 190			
Max. Discharge Current	A	60 / 80 / 100 / 120			120/150 / 190			
Charging Curve		3 Stages / Equalization						
External Temperature Sensor		Optional						
EFFICIENCY								
Max. Efficiency	%	97.69%						
Euro Efficiency	%	96.5%						
MPPT Efficiency	%	99.9%						
GENERAL DATA								
Dimensions (W*H*D)	mm	445 x 660 x 260			530 x 790 x 265			
Weight	kg	27.0			38.0			
Protection Degree		IP65						
Operating Temperature Range	°C	-25~60						
Cooling		Natural Convection						
Altitude	m	< 2000						
Noise	dB	< 30						
Communication		RS485 / CAN / WIFI / 4G (Optional)						
Display		4.3° Color Touch Screen LCD						
Warranty	Years	5 (Standard) / 10 (Optional)						

• Standard test conditions: Radiance 1000 W/m², Cell Temperature 25C, AM= 1.5

• Product specifications are subject to change without prior notice.

• Visit www.enertech.com for more information.

• EnerTech reserves the right of final interpretation.

THREE-PHASE HYBRID INVERTER

5-20kW | 48VDC



GEN Compatible

Seamless integration with generator via dry contact



Color Touch Screen

4.3" LCD for easy monitoring & control.



High Battery Capacity

Supports battery charge/discharge current up to 400A.



Built Tough & Safe

IP65 rated enclosure - designed for indoor & outdoor use.



Scalable Power

Supports 100% unbalanced output on both ports (Backup & Grid).



High Efficiency

Max. efficiency up to 99.5% for sustained performance.



48VDC
Battery System



5-20kW
Power Range



Three-Phase
Output



GEN Port
Ready



IP65
Protection



Up to 99.5%
Efficiency

Product Specification : 5kW-20kW | 48VDC

Technical Data	Unit	5 kW	6 kW	8 kW	10 kW	12 kW	15 kW	20 kW
PV INPUT (DC)								
Max. DC Input Power	W	7,500	9,000	12,000	15,000	18,000	22,500	30,000
Max. DC Input Voltage	V	1000						
MPPT Voltage Range	V	120~550						
Start-up Voltage	V	140						
No. of MPPT / Strings per MPPT	A	2/1			2/2			
Max. Input Current per MPPT		20A / 20A						
AC OUTPUT (ON-GRID / BACKUP)								
Rated AC Output Power	W	5,000	6,000	8,000	10,000	12,000	15,000	20,000
Max. AC Apparent Power	VA	5,500	6,600	8,800	11,000	13,200	16,500	22,200
Rated AC Output Voltage	V	380 / 400 / 415 (3P + N + PE)						
Normal Voltage Range	V	300~480						
Rated AC Output Current	A	7.6	9.1	12.2	15.2	18.2	22.8	30.4
Max. AC Current	A	8.4	10.0	13.4	16.7	20.0	25.1	33.4
Rated Grid Frequency	Hz	50/ 60						
Grid Frequency Range	Hz	45~55/55~65						
Power Factor		0.8 Leading ~ 0.8 Lagging						
THD (Grid)		<3% (Linear Load)						
BATTERY DATA								
Battery Type		Li-ion / Lead-acid (User Selectable)						
Battery Voltage Range	V	40~60						
Max. Charge/Discharge Current	A	125 /125	150/150	190/190	233 / 233	283/ 283	333/333	400 / 400
Max. Charge Power	A	6,000	7,200	9,120	11,200	13,600	16,000	19,200
Charging Strategy		Three-stage (Bulk / Absorption / Float)						
BACK-UP OUTPUT (EPS/OFF-GRID)								
Rated AC Output Power (EPS)		5,000	6,000	8,000	10,000	12,000	15,000	20,000
Max. AC Apparent Power (EPS)		5,500	6,600	8,800	11,000	13,200	16,500	22,200
Rated Output Voltage		380 / 400 / 415 (3P + N + PE)						
Normal Output Frequency		50/60						
Switching Time		<10						
GENERAL DATA								
Max. Efficiency	%	97.8%	98.0%	98.2 %	98.5 %	98.6%	98.8%	99.5%
Euro Efficiency	%	96.6%	96.8%	97.1 %	97.3 %	97.6%	97.8%	98.3 %
Protection Degree		IP65						
Operating Temperature	°C	-25~60						
Cooling		Intelligent Fan Cooling						
Communication		RS485 / CAN / WIFI / 4G (Optional)						
Display		4.3" Color Touch Screen LCD						
Dimensions (WxHxD)	mm	480 x 630 x 210						
Weight	Kg	42						
Noise	dB	≤ 35						
Altitude	m	≤ 2000						



RELIABLE
Performance



SMART
Energy Management



SAFE & DURABLE
Built for Every Environment



WIDE COMPATIBILITY
Works with Leading Batteries & Generators

THREE-PHASE Hybrid Inverter

29-60kW | 200-800 VDC



THREE-PHASE

Hybrid Inverter

29-60kW | 200-800 VDC



Supports 7 intelligent working modes and automatically switch within 10ms.



Supports 100% 3-phase unbalanced output on both ports (BACKUP & GRID).



Sustain 200% rated power overload for 10 seconds.



Peak shaving and valley filling to enhance grid stability.



Low startup voltage threshold, wide operating voltage range.



Supports 20A maximum PV string current, compatible with 700W+ high-power modules.



High Efficiency
Max. efficiency up to 99.5%



Reliable & Safe
Multi-protection for system safety



Smart Operation
Intelligent modes for maximum savings



Stronger Capacity
Handles high-power PV modules



GREEN ENERGY
Lower carbon footprint for a better future

Product Specification : 29kW – 60kW | 200–800V

Technical Data	29kW	36kW	42kW	50kW	60kW
PV INPUT (DC)					
Max. PV Input Power	42kW	62kW	69kW	82kW	96kW
Max. PV Input Voltage	800V	800V	800V	800V	800V
PV Start-up Voltage	180V				
MPPT Voltage Range	180V ~ 850V				
No. of independent MPPT/string /MPPT	3/3	3/3	4/3	4/3	4/3
MPPT Max. Current	30A / 30A				
Start up voltage	200V				
AC OUTPUT (ON-GRID / ON-GRID)					
Rated AC Output Power	29kW	29kW	29kW	50kW	60kW
Max. Apparent Power	32kVA	39.6kVA	46.2kVA	55kVA	66kVA
Nominal Voltage	380V / 400V				
Nominal voltage range	300V / 480V				
Rated AC Output Current	44.1A	54.8A	63.8A	75.7A	90.6A
Power Factor	>0.99				
THDi	<3% (Linear Load)				
Grid Voltage Range	300V ~ 520V				
Grid Frequency Range	45~55/55~65				
BACK-UP OUTPUT (EXTRA LOADS)					
Rated AC Output Power	29kW	36kW	42kW	50kW	60kW
Max. Apparent Power	32kVA	39.6kVA	46.2kVA	55kV	66kVA
Nominal Output Voltage	380V / 400V				
Nominal Output Frequency	50Hz / 60Hz				
Overload (Backup)	110% for 10 min; 150% for 60s				
BACK-UP OUTPUT (EPS/OFF-GRID)					
Battery Type	Li-ion				
Battery Voltage Range	200V~800V				
Max. Charge / Discharge Current	150A	160A	160A	200A	250A
Charging strategy for Li-ion battery	Self-adaption to BMS				
EFFICIENCY					
Max. MPPT efficiency	99.30%				
Euro efficiency	98.70%				
Max. battery to load efficiency	94%				
PROTECTION					
Anti-islanding protection	Yes				
PV reverse polarity protection	Yes				
PV over voltage protection	Yes				
PV over current protection	Yes				
Output over current protection	Yes				
Output over Voltage protection	Yes				
DC insulation impedance protection	Yes				
GENERAL DATA					
Dimension (WxHxD)	670 x 730 x 270 mm				
Weight	75kg				
Operating temperature range	-30°C ~60°C				
IP Class	IP65				
Max. Operating altitude	4000m				
Self-consumption at night	<3W				
Topology	Transformerless				
Communication interface	WiFi / GPRS / CAN / RS485				

THREE-PHASE HYBRID INVERTER

80-125kW | 200-800 VDC

IP66

IP66 rated enclosure, designed for both indoor and outdoor deployment.



Supports 100% 3-phase unbalanced output on both ports (BACKUP & GRID).



Integrated 0-export function.



Sustain 200% rated power overload for 10 seconds.



Peak shaving and valley filling to enhance grid stability.



110% continuous overload rating at sustained operation.



HIGH EFFICIENCY
Max. efficiency up to
99.00%



RELIABLE & SAFE
Multiple protections for
ultimate safety



SMART OPERATION
Intelligent modes for
seamless energy
management



STRONG CAPACITY
Handles high-power
loads with ease



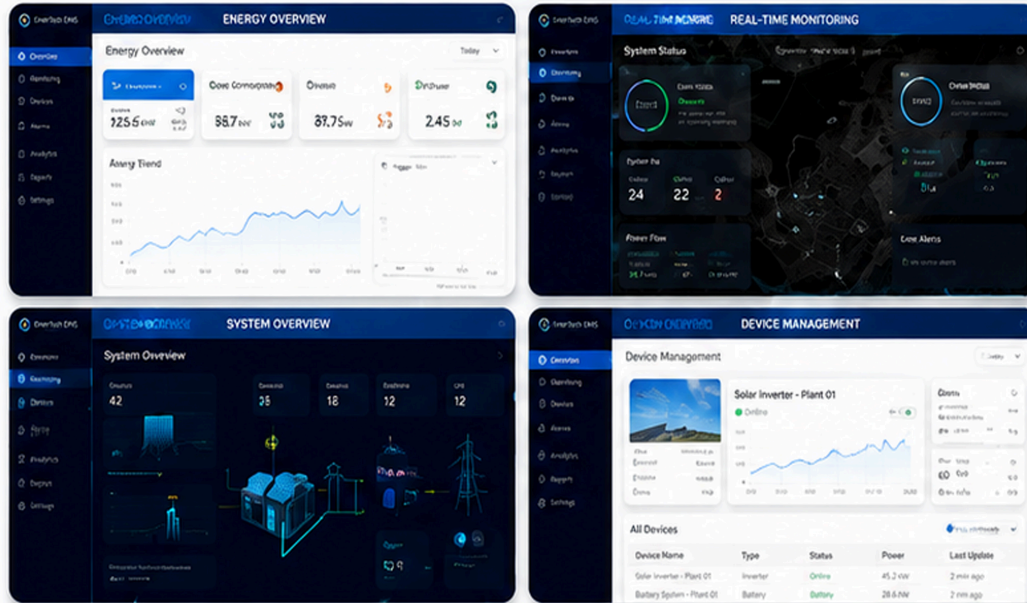
GREEN ENERGY
Lower carbon footprint
for a better future

Product Specification : 80kW - 125kW | 200-800V

Technical Data	80kW	90kW	100kW	110kW	125kW
INPUT DC (PV SIDE)					
Max. PV Input Power	96kW	108kW	120kW	132kW	150kW
Max. PV Input Voltage	1000V				
Nominal voltage range	200 ~800V				
MPPT working voltage range	8/2				
No. of independent MPPT / strings /MPPT	180 ~850V				
MPPT max. input current	40A/40A				
Start up voltage	200V				
OUTPUT/INPUT AC (GRID SIDE)					
Nominal output/input power	80kW	90kW	100kW	110kW	125kW
Max. apparent power	88kVA	100kVA	110kVA	121kVA	137kVA
Nominal Voltage	380V/400V				
Nominal frequency	50Hz / 60Hz				
Rated current	121A/116A	136A/130A	151A/155A	167A/159A	189A/181A
Max. current	131A	148A	164A	184A	201A
Power Factor	-1~1 (Adjustable)				
THDi	<3% (Nominal Output)				
Grid system pattern	3L/N/PE				
Max. AC current from Utility grid	200A				
OUTPUT AC (BACK-UP)					
Nominal output power	80kW	90kW	100kW	110kW	125kW
Max. output apparent power	88kVA	100kVA	110kVA	121kVA	137kVA
Nominal output voltage	380V/400V				
Nominal output frequency	50Hz / 60Hz				
Output THDV	<3%				
Automatic switch time	<10ms				
BACK-UP OUTPUT (EPS/OFF-GRID)					
Battery Type	Li-Ion				
Battery Voltage Range	200V~800V				
Max. Charge / Discharge Current	2*200A/2*200A				
Charging strategy for Li-Ion battery	Self-adaption to BMS				
EFFICIENCY					
Max. MPPT efficiency	99.00%				
Euro efficiency	98.20%				
Max. battery to load efficiency	97.5%				
PROTECTION					
Anti-islanding protection	Yes				
Insulation resistance protection	Yes				
RCD detection	Yes				
PV reverse polarity protection	Yes				
Output over current protection	Yes				
Output over voltage protection	Yes				
Output short circuit protection	Yes				
GENERAL DATA					
Dimension (WxHxD)	1160 / 857 / 800 mm				
Weight	115kg				
Operating temperature range	-30°C ~60°C				
IP Class	IP66				
Max. Operating altitude	4000m				
Self-consumption at night	<3W				
Topology	Transformerless				
LCD display	Yes				
Communication interface	WiFi / GPRS / CAN / RS485				
Standards	As per IEC Standard				

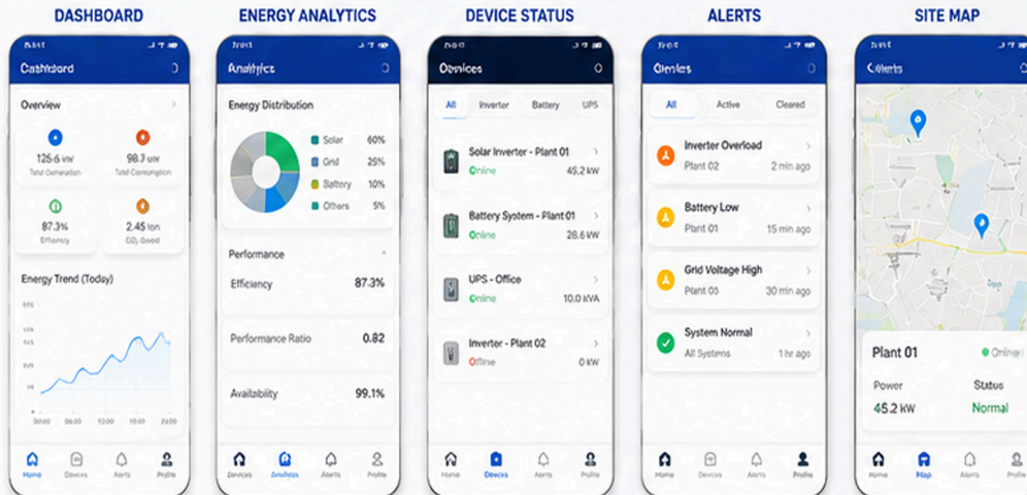
EMS PLATFORM

Smart Monitoring. Intelligent Control. Maximum Efficiency.



APP

Monitor. Manage. Stay in Control.



- Real-time Monitoring**
Live data from all sites at your fingertips
- Smart Analytics**
Data-driven insights for better decisions
- Instant Alerts**
Get notified instantly about important events
- Remote Control**
Control and manage devices remotely
- Secure & Reliable**
Enterprise-grade security and data protection

EnerTech
Answering All Power Needs

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Domestic and International Presence
7 x 24 x 365
Customer Service Support

Our Offering

- Online UPS
- Static Frequency Converter
- Solar UPS
- Industrial Battery Charger

Reliable
High performance and dependable solutions

Efficient
Energy-efficient technology for better savings

Innovative
Advanced technology for a smarter future

Sustainable
Committed to a greener and sustainable world