



NEW ENERGY SOLUTION



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# NEW ENERGY SOLUTION CATALOGUE





# About Company

New Energy Solution is a leading manufacturer of lithium battery packs including lithium iron phosphate (LiFePO<sub>4</sub>), Lithium Ion, Lithium Polymer(LiPo) battery packs . Established two years ago by a team of Engineers , we have provided our satisfied customers with battery packs with excellent safety, high energy performance and long-lasting life and received good feedback from them.

At New Energy Solution, we are revolutionizing the lithium-ion battery industry by combining cutting-edge technology with a passion for sustainability.

We're proud to offer highly differentiated Lithium Iron Phosphate and Lithium-Ion Battery Cells, Modules and Battery packs.

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**Last Longer, Perform Better**

**with New Energy Solution Lithium Phosphate  
Compact Batteries**

”

# Our Philosophy

Our motto, Challenge Your Limits, reflects our philosophy to push yourself to greatness.

We, along with our customers, live and breathe adventure and relish the opportunities that our planet provides.

We feel it is our duty to do better as a business, making our batteries as sustainable as possible for our customers to achieve their full potential.

# Our Mission

To power the world's transition to Lithium energy storage, ethically.

To provide energy-efficient, high-performance lithium batteries that last longer and perform better, ensuring reliability and cost-effectiveness for our customers.

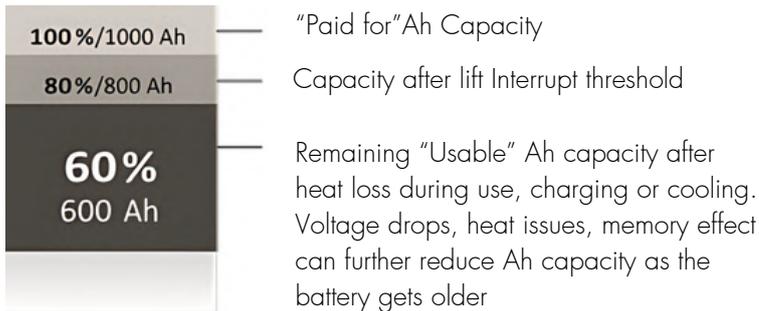
To be the most sought after & admired lithium battery company in the world by helping our customers challenge and overcome their limits



# Why Go Lithium Over Lead Battery ?

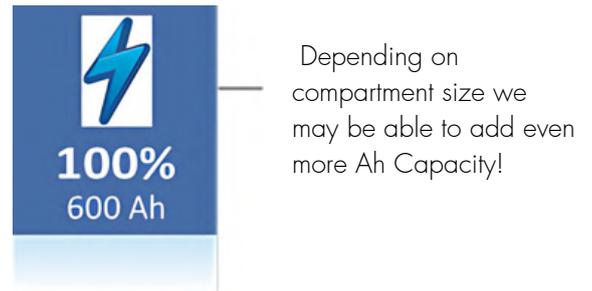
## "Paid for" vs "Usable" Ah Capacity.

### Lead Acid Battery



**You pay for 1000 Ah  
You get 600 Ah**

### Lithium Phospate Battery



**You pay for 600 Ah  
You get 600 Ah**

## Lithium vs. Lead-Acid Comparison

FEATURE	LEAD-ACID	LiFePO4
Cycle Life	300 - 400	3,500
Max Usable Capacity	50%	85%
Discharge Efficiency	50-90%	99%
Maintenance	High	None
Charge Time	6 - 12 Hours	1 - 5 Hours
Partial Charging Capable	No	Yes
Weight Comparison	100%	50%
Charge Efficiency	80%	99%
Cost	Low	High



## Why Pay More For LIFEPO4?



### **MORE USABLE CAPACITY**

Lithium batteries allow you to use 100% of their capacity, regardless of the rate of discharge.



### **LONGER LIFE**

lithium batteries provide up to 10 times longer life than lead-acid batteries, and they still provide 80% of rated capacity after 3,500 cycles.



### **LOW SELF CHARGE**

Partial charging does not affect performance quality or battery life. A low self-discharge rate means worry free storage so even occasional users can be assured of reliable performance.



### **CONSTANT POWER**

Full power available throughout discharge. Voltage does not drop like lead-acid.



### **ECO-FRIENDLY AND SAFE**

No gassing, no fumes and no pollution. Enjoy reliable power, while protecting the environment, using these non hazardous batteries.



### **LIGHTER WEIGHT**

50-60% less weight than lead-acid equivalent.



### **MAINTENANCE-FREE**

Plug, play and charge. No watering.



### **TEMPERATURE TOLERANCE**

2.5X more efficient operation at low temperatures. Safely operational up to 149°F (65°C).



### **INSTALLATION FLEXIBILITY**

Can be installed upright or on its side



## THE FEATURES THAT MAKE **NEW ENERGY SOLUTION** **BATTERY SUPERIOR!!!**



### **EASY INSTALLATION**

New Energy Solution lithium batteries can be installed upright or on their side allowing for flexible installation and easier configuration.



### **SCALABLE SYSTEM**

New Energy Solution batteries offer freedom and flexibility by utilizing parallel connections, so you can scale your system to provide increased power and energy as needed.



### **INTELLIGENT COOLING**

New Energy Solution uses a carefully engineered cooling management system to quickly remove heat from inside the battery during conditions of high discharge and recharge currents. This prevents overheating of critical components and extends the life of the battery.



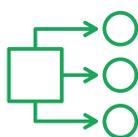
### **SUPERSMART BMS**

The robust battery management system features a combined total of 48 charge and discharge MOSFETs that control current flow in and out of the battery, along with multilayer protective devices that prevent over/ under voltage, current and temperature conditions. The multilayer protection allows New Energy Solution batteries to pass stringent UL safety standards.



### **ROBUST COMMUNICATION**

CAN bus connections allow batteries to communicate real-time operating statistics like the voltage, current, state of charge and state of health, making New Energy Solution batteries more user friendly. Plus, all batteries feature a sleep and pulse recovery operation mode to conserve power.



### **PARALLEL BATTERY TOPOLOGY**

In case of module malfunction, the faulty module is automatically disconnected and remains inactive via remote action, without interrupting the battery operation until the service representative arrives on-site.

# 1. MATERIAL HANDLING EQUIPMENTS



**BOOM LIFT**

From drop-in-ready products to custom solutions, New Energy Solution lithium iron phosphate batteries are one of the most durable and reliable energy sources on the market. And, they're perfect for powering a wide variety of material handling applications such as forklifts, pallet trucks, AGVs, stackers boom lift, scissor lift and more.



**PALLET TRUCK**



**FORKLIFT**



**STACKER**



**SCISSOR LIFT**

## 24V/36V FORKLIFT/STACKER/PALLET/BOOM LIFT BATTERIES



MODEL	VOLTAGE (V)	CAPACITY (AH)	ENERGY (Wh)	MAXIMUM DISCHARGE CURRENT(A)	DIMENSION (mm)	WEIGHT (kg)
24/100	25.6	100	2560	100	340*200*130	22
24/150	25.6	150	3840	150	402*220*130	33
24/200	25.6	200	5120	200	410*284*173	42
24/240	25.6	250	6144	250	456*292*174	51
24/271	25.6	271	6937	271	516*308*175	57
24/300	25.6	300	7680	300	560*340*200	64
36/100	38.4	100	3840	100	340*300*130	32
36/150	38.4	150	5760	150	402*330*130	48
36/200	38.4	200	7680	200	426*410*173	64
36/240	38.4	250	9216	250	456*438*174	79
36/271	38.4	271	10406	271	516*462*175	85
36/300	38.4	300	11520	300	560*510*200	95

- We don't list all our model here, please contact our sales for other model.
- Size and Weight of the battery may vary.
- A battery can be customized to meet the specific requirements of the customer.

## 48V/60V/72V FORKLIFT/STACKER/PALLET/BOOM LIFT BATTERIES



MODEL	VOLTAGE (V)	CAPACITY (AH)	ENERGY (Wh)	MAXIMUM DISCHARGE CURRENT (A)	DIMENSION (mm)	WEIGHT (kg)
48/100	51.2	100	5120	100	400*340*130	41
48/200	51.2	200	10240	200	568*420*173	84
48/300	51.2	300	15360	300	680*560*200	126
60/100	60.8	100	60800	100	500*400*340	50
60/200	60.8	200	12160	200	710*568*420	98
60/300	60.8	300	18240	300	850*680*560	149
72/100	73.6	100	7360	100	600*400*340	59
72/200	73.6	200	14760	200	852*568*420	119
72/300	73.6	300	22140	300	1020*680*560	177
80/100	83.2	100	8320	100	650*400*340	67
80/200	83.2	200	16640	200	923*568*420	133
80/300	83.2	300	24960	300	1105*680*560	201

- We don't list all our model here, please contact our sales for other model.
- Size and Weight of the battery may vary.
- A battery can be customized to meet the specific requirements of the customer.

## 2.ELECTRIE VEHICLES



ELECTRIC BIKE

From drop-in-ready products to custom solutions, New Energy Solution NMC batteries are one of the most durable and reliable energy sources on the market. And, they're perfect for powering a wide variety of electric vehicle applications such as electric bike, scooter, rickshaw, tempo, golfcart and more.



ELECTRIC SCOOTER



ELECTRIC RICKSHAW



ELECTRIC GOLFCART



ELECTRIC TEMPO



## E BIKE/ E SCOOTER NMC BATTERY



### Product Features

- Fast charge and discharge: 10 times of lead acid battery
- Light weight: one third of lead acid battery
- Wide temperature range: 10°C to 65°C
- Low self-discharge rate 2% per month
- High strength metal shell
- Long cycle life
- Low Voltage Disconnect
- Over Voltage Disconnect
- Short Circuit Protection
- Reverse Polarity Protection
- Cell Balancing

MODEL	VOLTAGE (V)	CAPACITY (AH)	ENERGY (Wh)	MAXIMUM DISCHARGE CURRENT (A)	DIMENSION (mm)	WEIGHT (kg)
24/10	25.9	10	259	10	135*80*70	1.4
24/15	25.9	15	390	15	135*110*70	1.8
36/10	37	10	370	10	190*100*70	1.8
36/15	37	15	555	15	190*137*70	2.9
36/20	37	20	740	20	190*175*70	3.5
48/24	48.1	24	1155	24	195*195*155	7.5
48/30	48.1	30	1443	30	235*155*155	9
48/40	48.1	42	1924	42	235*190*175	12
60/24	59.2	24	1420	24	203*180*155	9
60/30	59.2	30	1776	30	235*180*165	11.7
60/40	59.2	42	2368	42	260*215*155	14
72/24	74	24	1728	24	215*195*165	11.5
72/30	74	30	2220	30	235*215*165	13.7
72/40	74	40	2800	40	260*245*150	15

- We don't list all our model here, please contact our sales for other model.
- Size and Weight of the battery may vary.
- A battery can be customized to meet the specific requirements of the customer.

**E RICKSHAW/ E GOLFCART NMC BATTERY**

**Product Features**

- Fast charge and discharge: 10 times of lead acid battery
- Light weight: one third of lead acid battery
- Wide temperature range: 10°C to 65°C
- Low self-discharge rate 2% per month
- High strength metal shell
- Long cycle life
- Low Voltage Disconnect
- Over Voltage Disconnect
- Short Circuit Protection
- Reverse Polarity Protection
- Cell Balancing

MODEL	VOLTAGE (V)	CAPACITY (AH)	ENERGY (Wh)	MAXIMUM DISCHARGE CURRENT(A)	DIMENSION (mm)	WEIGHT (kg)
48/100	51.2	100	5120	100	400*340*130	41
48/200	51.2	200	10240	200	568*420*173	84
48/300	51.2	300	15360	300	680*560*200	126
60/100	60.8	100	60800	100	500*400*340	50
60/200	60.8	200	12160	200	710*568*420	98
60/300	60.8	300	18240	300	850*680*560	149
72/100	73.6	100	7360	100	600*400*340	59
72/200	73.6	200	14760	200	852*568*420	119
72/300	73.6	300	22140	300	1020*680*560	177
80/100	83.2	100	8320	100	650*400*340	67
80/200	83.2	200	16640	200	923*568*420	133
80/300	83.2	300	24960	300	1105*680*560	201

- We don't list all our model here, please contact our sales for other model.
- Size and Weight of the battery may vary.
- A battery can be customized to meet the specific requirements of the customer.

### 3.UPS/SOLAR INVERTER



**RESIDENTIAL SOLAR**

From drop-in-ready products to custom solutions, New Energy Solution lithium iron phosphate batteries are one of the most durable and reliable energy sources on the market. And combined with our inverter, they are perfect for powering a variety of applications such as lights, fans, fridge, and gadgets during power outages. And with our solar inverter, they are perfect for powering a wide variety of solar applications such as Solar RV, Residential Solar Energy, Solar Street Lamp, Solar Power Generator, Solar Boat.



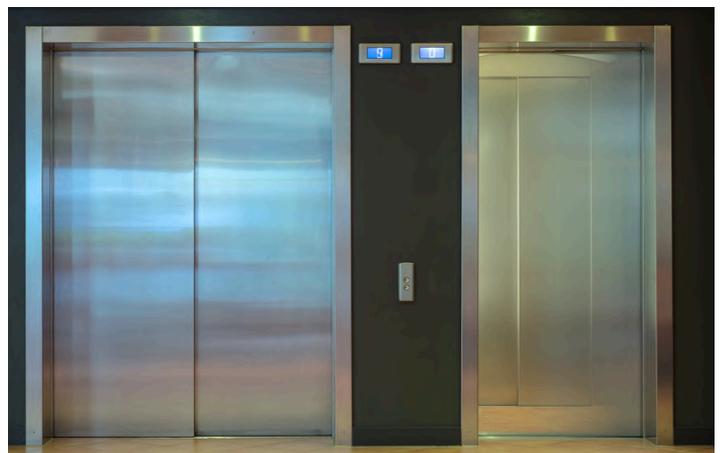
**RESIDENTIAL POWER BACKUP**



**UPS**



**STREET LAMP**



**LIFT INVERTER**

## 1250VA UPS INVERTER



- Delivers a robust **840W output**.
- **Inbuilt 12V 100Ah LiFePO4 Battery:** With lithium iron phosphate technology, this solar inverter offers a longer cycle life, faster charging, and greater energy efficiency compared to traditional lead-acid batteries.
- Backup Time: Provides **up to 4 hours of backup at a 300W load**, ensuring your essential equipment stays powered during extended outages.
- Home Use: Powers lights, computers, TVs, and routers during outages.
- Office & Commercial Use: Ideal for keeping computers, printers.

MODEL	SPECIFICATIONS
Rating & Installation	1250VA & Wall Mount
Input Phase	Single Phase 2 wire 220/230 VAC 50HZ +/-0.1%
Change over me	Less than 10 msec UPS mode/ Less than 40 msec
Power Factor	> 0.8
Battery voltage	> 95%
Total weight	25 kg
Dimensions	450*350*160 mm
IP protection level	IP54
Corrosion-proof Grade	C4H
Wave form and Overload	Pure Sine Wave and 100% Con nuous ,110% for 10 min
Working Temp. Range	0-40 °C Cooling Fan ON at 50% of rated load Cooling Fan OFF at 40% of rated load
Display (Imp. Parameters)	LCD display which shows the performance of the inverter (AC mains Voltage, Ba ery voltage, ba ery charging status, Load percentage, UPS ON/OFF, Over temperature, Fault, overload etc.
Protectons	Battery low alarm, Overload Protec on, Short circuit Protection, Over heating Protection, Overcharge protection, Over discharge protection, Battery deep discharge protection
Indications	AC Mains, Charging, UPS mode, Battery voltage
Alarms	Mains Fail, Overload, Battery low alarm

## 2000VA UPS INVERTER/OFF GRID SOLAR INVERTER



- Delivers a robust **1600W output**.
- **Inbuilt 25.6V 100Ah LiFePO4 Battery**: With lithium iron phosphate technology, this solar inverter offers a longer cycle life, faster charging, and greater energy efficiency compared to traditional lead-acid batteries.
- Backup Time: Provides **up to 4 hours of backup at a 680W load**, ensuring your essential equipment stays powered during extended outages.
- Home Use: Powers lights, fans, computers, TVs, and routers during outages.
- Office & Commercial Use: Ideal for keeping computers, printers, and other office devices operational.

MODEL	SPECIFICATIONS
Rating & Installation	2000VA & Wall Mount
Input Phase	Single Phase 2 wire 220/230 VAC 50HZ +/-0.1%
Change over me	Less than 10 msec UPS mode/ Less than 40 msec
Power Factor	> 0.8
Battery voltage	> 95%
Total weight	25 kg
Dimensions	450*350*160 mm
IP protection level	IP54
Corrosion-proof Grade	C4H
Wave form and Overload	Pure Sine Wave and 100% Con nuous ,110% for 10 min
Working Temp. Range	0-40 °C Cooling Fan ON at 50% of rated load Cooling Fan OFF at 40% of rated load
Display (Imp. Parameters)	LCD display which shows the performance of the inverter (AC mains Voltage, Ba ery voltage, ba ery charging status, Load percentage, UPS ON/OFF, Over temperature, Fault, overload etc.
Protectons	Battery low alarm, Overload Protec on, Short circuit Protection, Over heating Protection, Overcharge protection, Over discharge protection, Battery deep discharge protection
Indications	AC Mains, Charging, UPS mode, Battery voltage
Alarms	Mains Fail, Overload, Battery low alarm

## 5000VA UPS INVERTER/OFF GRID SOLAR INVERTER



- Delivers a robust **5000W output**.
- **Inbuilt 25.6V 200Ah LiFePO4 Battery**: With lithium iron phosphate technology, this solar inverter offers a longer cycle life, faster charging, and greater energy efficiency compared to traditional lead-acid batteries.
- Backup Time: Provides **up to 4 hours of backup at a 1280W load**, ensuring your essential equipment stays powered during extended outages.
- Commercial Use: Ideal for keeping computers, printers, and other office devices operational.
- Industrial & Backup Systems: Suitable for small backup power needs in industries or small data centers

MODEL	SPECIFICATIONS
Rating & Installation	5000VA & Wall Mount
Input Phase	Single Phase 2 wire 220/230 VAC 50HZ +/-0.1%
Change over me	Less than 10 msec UPS mode/ Less than 40 msec
Power Factor	> 0.8
Battery voltage	> 95%
Total weight	25 kg
Dimensions	450*350*160 mm
IP protection level	IP54
Corrosion-proof Grade	C4H
Wave form and Overload	Pure Sine Wave and 100% Con nuous ,110% for 10 min
Working Temp. Range	0-40 °C Cooling Fan ON at 50% of rated load Cooling Fan OFF at 40% of rated load
Display (Imp. Parameters)	LCD display which shows the performance of the inverter (AC mains Voltage, Ba ery voltage, ba ery charging status, Load percentage, UPS ON/OFF, Over temperature, Fault, overload etc.
Protectons	Battery low alarm, Overload Protec on, Short circuit Protection, Over heating Protection, Overcharge protection, Over discharge protection, Battery deep discharge protection
Indications	AC Mains, Charging, UPS mode, Battery voltage
Alarms	Mains Fail, Overload, Battery low alarm

**LITHIUM BATTERIES**


MODEL	VOLTAGE (V)	CAPACITY (AH)	ENERGY (Wh)	MAXIMUM DISCHARGE CURRENT(A)	DIMENSION (mm)	WEIGHT (kg)
12/6	12.8	6	76.8	6	150*65*95	0.9
12/12	12.8	12	153.6	12	151*98*95	1.5
12/18	12.8	18	230.4	18	181*77*167	2.5
12/24	12.8	24	307.2	24	195*130*155	3
12/30	12.8	30	384	30	195*135*170	4
12/36	12.8	36	460.8	36	195*135*195	4.5
12/42	12.8	42	537.6	42	230*138*150	5
12/48	12.8	48	614.4	48	230*138*170	5.5
12/54	12.8	54	691.2	54	230*140*195	6
12/60	12.8	60	768	60	300*175*218	6.5
12/80	12.8	80	1024	80	315*238*220	9
12/100	12.8	100	1280	100	345*238*220	11
12/150	12.8	154	1920	154	485*170*245	18
12/200	12.8	200	2560	200	520*238*218	22
25/100	25.6	100	2560	100	520*240*220	23
25/200	25.6	200	5120	200	520*267*220	42
25/300	25.6	300	7680	300	620*330*220	64

- We don't list all our model here, please contact our sales for other model.
- Size and Weight of the battery may vary.
- A battery can be customized to meet the specific requirements of the customer.

# 4. BESS (BATTERY ENERGY STORAGE SYSTEM)



**GRID STABILIZATION**

From drop-in-ready products to custom solutions, New Energy Solution lithium ion and LiFeO<sub>4</sub> batteries are one of the most durable and reliable energy sources on the market. And combined with our solar inverter, they are perfect for powering a wide variety of solar applications such as Grid Stabilization, Residential Solar Energy, Telecommunication Tower, Solar Power Generator, Data Server Support



**TELECOMMUNICATION TOWER**



**RENEWABLE ENERGY INTEGRATION**



**DATA SERVER SUPPORT**



**(EV) CHARGING INFRASTRUCTURE**

**ESS RACK LOW VOLTAGE ENERGY STORAGE**


- Standardized Design: Our 3U And 4U Standardized Case Ensures Broad Applicability.
- Enhanced Energy Capacity: Support Multiple Parallel Battery Usage To Meet High Energy Demands.
- Intelligent Lithium Battery Management System: Equipped With RS485 Communication, Offers Real-Time Battery Monitoring And Customizable Protec on Parameters Such As Charge & Discharge.
- Balancing: Automatic Collection Of Battery Single Series Voltage, Pressure Difference Up To 30 Mega Volt (Can Be Set) With An Automatic Start Equalization Function.
- Warning Function: Advanced Warning Functions, Including Overcharge, Over-Discharge, Over-Current, High-Temperature, And Low-Temperature Alerts, Reducing Potential Safety Risks.

Model	51.2V 100Ah	51.2V200Ah	51.2 V 300Ah	51.2 V 400Ah	51.2V 500Ah
Array Mode	16S	16S*2	16S*3	16S*4	16S*5
Nominal Energy (Kwh)	5.12	10.24	15.36	20.48	25.6
Nominal Voltage (V)	51.2	51.2	51.2	51.2	51.2
Charge voltage (V)	57.6	57.6	57.6	57.6	57.6
Discharge Cutoff volt (V)	48	48	48	48	48
Charging Current	30	60	90	120	150
Max Charge (A)	50	100	150	200	250
Max discharging (A)	100	200	300	400	500
Cycle Life	6000Times@80%DOD,25 degree Celsius				
Communication Mode	RS485/CAN				
Operating temperature	Charging 0-60, Discharging -10-60 degree celsius				
Size (LxWxH) (mm)	440*170*560	440*245*670	440*320*780	440*395*910	440*475*1035
Net weight (kg)	44	95	155	225	322

**ESS RACK HIGH VOLTAGE ENERGY STORAGE**


- Standardized Design: Our 3U And 4U Standardized Case Ensures Broad Applicability.
- Enhanced Energy Capacity: Support Multiple Parallel Battery Usage To Meet High Energy Demands.
- Intelligent Lithium Battery Management System: Equipped With RS485 Communication, Offers Real-Time Battery Monitoring And Customizable Protec on Parameters Such As Charge & Discharge.
- Balancing: Automatic Collection Of Battery Single Series Voltage, Pressure Difference Up To 30 Mega Volt (Can Be Set) With An Automatic Start Equalization Function.
- Warning Function: Advanced Warning Functions, Including Overcharge, Over-Discharge, Over-Current, High-Temperature, And Low-Temperature Alerts, Reducing Potential Safety Risks.

Model	192 V 100Ah	240 V 100Ah	288 V 100Ah	336 V 100Ah	384V 100Ah
Array Mode	4	5	6	7	8
Nominal Energy (Kwh)	19.2	24	28.8	33.6	38.4
Nominal Voltage (V)	192	240	288	336	384
Charge voltage (V)	233.6	292	350.4	408.8	467.5
Discharge Cutoff voltage (V)	160	200	240	280	320
Charging Current (A)	30				
Max Charge (A)	50				
Max discharging (A)	100				
Cycle Life	6000Times@80%DOD,25 degree Celsius				
Communication Mode	RS485/CAN				
Operating temperature	Charging 0-60, Discharging -10-60 degree celsius				
Size (LxWxH) (mm)	574*395*970	574*395*1037	574*395*1310	574*395*1471	574*395*1638
Net weight (kg)	166	205	244	283	322

**SINGLE PHASE HYBRID SOLAR INVERTER**


- Our Solar Hybrid Inverter is a next-generation energy solution designed with advanced technology for maximum efficiency and compactness. It seamlessly integrates solar power, battery storage, and grid supply, offering unparalleled performance and energy reliability for residential, commercial, and industrial applications.
- Equipped with intelligent battery communication, this inverter ensures optimal charging, discharging, and monitoring of battery health, enhancing the overall lifespan and efficiency of your energy storage system. With its sleek design, innovative features, and eco-friendly operation, our Solar Hybrid Inverter is the perfect choice for a sustainable energy future.

Model/Description	3 kW	6 kW	10 kW
Rated output power	3000	6000	10000
PV DC voltage	360/550	360/550	360/550
Feeding voltage	120	120	120
MPPT Vltg range	60- 300	120-450	120-450
No of MPPT Tracker	1 /27 A	1 /27A	1 /27A
AC Voltage range	90-280VAC/170-280VAC	90-280VAC/170-280 VAC	90-280VAC/170-2 80VAC
Max AC Input Current(A)	40	40	40
Grid Output Voltage	184V-265VAC/195-253V	184V-265VAC/195-2 53V	184V-265VAC/195 -253V
Output Voltage(V)	230	230	230
Waveform	Pure Sinewave	Pure Sinewave	Pure Sinewave
Efficiency	93%	93%	93%
Battery voltage(V)	48	48	48
Max AC current(A)	100	100	100
Max solar charge current	100amps	100amps	100amps
Dimension(L*W*H) (mm)	110*288*390	119*313*422	153*420*462
Operating	-10°C to 50°C	-10°C to 50°C	-10°C to 50°C
Weight(kg)	7.5	12	18

**THREE PHASE HYBRID SOLAR INVERTER**


- Our Solar Hybrid Inverter is a next-generation energy solution designed with advanced technology for maximum efficiency and compactness. It seamlessly integrates solar power, battery storage, and grid supply, offering unparalleled performance and energy reliability for residential, commercial, and industrial applications.
- Equipped with intelligent battery communication, this inverter ensures optimal charging, discharging, and monitoring of battery health, enhancing the overall lifespan and efficiency of your energy storage system. With its sleek design, innovative features, and eco-friendly operation, our Solar Hybrid Inverter is the perfect choice for a sustainable energy future.

Model/Description	12 kW	15 kW	20 kW
Rated output power	12000	15000	20000
PV DC voltage	360/550	360/550	360/550
Feeding voltage	120	120	120
MPPT Vltg range	120- 450	120-450	120-450
No of MPPT Tracker	1 /30 A	1 /30A	1 /30A
AC Voltage range	90-280VAC/170-280VAC	90-280VAC/170-280 VAC	90-280VAC/170-2 80VAC
Max AC Input Current(A)	40	40	45
Grid Output Voltage	184V-265VAC/195-253V	184V-265VAC/195-2 53V	184V-265VAC/195 -253V
Output Voltage(V)	230	230	230
Waveform	Pure Sinewave	Pure Sinewave	Pure Sinewave
Efficiency	95%	95%	95%
Battery voltage(V)	48	48	48
Max AC current(A)	120	120	120
Max solar charge current	120amps	120amps	120amps
Dimension(L*W*H) (mm)	204*427*523	249*471* 562	279*501*605
Operating	-10°C to 50°C	-10°C to 50°C	-40°C to 50°C
Weight(kg)	22	27	36

**LITHIUM BATTERIES**


MODEL	VOLTAGE (V)	CAPACITY (AH)	ENERGY (Wh)	MAXIMUM DISCHARGE CURRENT(A)	DIMENSION (mm)	WEIGHT (kg)
48/100	51.2	100	5120	100	400*340*130	41
48/200	51.2	200	10240	200	568*420*173	82
48/300	51.2	300	15360	300	680*560*200	123
48/400	51.2	400	20480	400	730*608*280	165
120/100	121.6	100	12000	100	950*340*130	97
120/200	121.6	200	24000	200	1349*410*173	195
120/300	121.6	300	36000	300	1615*560*200	292
192/100	192	100	19200	100	1500*340*130	154
240/100	240	100	24000	100	1900*340*130	192
288/100	288	100	28000	100	2250*340*130	231
336/100	336	100	33600	100	2650*340*130	267
384 /100	384	100	38400	100	3000*340*130	307

- We don't list all our model here, please contact our sales for other model.
- Size and Weight of the battery may vary.
- A battery can be customized to meet the specific requirements of the customer.



# Our Services

Service 01



CUSTOMIZED SOLUTIONS

Service 02



BATTERY TESTING

Service 03



SYSTEM INTEGRATION

Service 04



TECHNICAL SUPPORT

Service 05



ENERGY CONSULTATION

Service 06



MAINTENANCE PLANS



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