

ECAVIX ENERGY LIMITED

Tel: +8615014104203

Web: <https://ecavix.com>

E-mail: [info@ecavix.com](mailto:info@ecavix.com)

Address: Room 1002, Block B, Ganfeng Technology Building,  
No. 993 Jiaxian Road, Bantian Street, Longgang District,  
Shenzhen, Guangdong, P.R.C.



## Product Catalog

Energy Storage & Power Battery Factory



# ECAVIX ENERGY

## From Home to the World, Powered by Solvita

Ecavix Energy is a professional manufacturer focused on innovative home energy storage solutions. Backed by over a decade of experience in the new energy industry, we are committed to providing reliable, high-performance battery systems for residential and light mobility applications.

Our product line includes:

★ A full range of home energy storage batteries, built with brand-new A-grade lithium cells

★ Durable and efficient E-bike batteries

★ Customized OEM/ODM battery solutions for global partners

With a skilled R&D and engineering team, Ecavix Energy is capable of delivering tailored energy storage products to meet diverse market needs. Our batteries are widely exported to Europe and North America, trusted for their safety, efficiency, and long cycle life.

We help families and communities move toward energy independence—efficiently, sustainably, and smartly.



R&D Team:

**200+**



Sales countries:

**100+**



Factory area:

**6000 sqm**



R&D Experience:

**12+ years**



Cooperative Clients:

**40000+**



Batteries Annual Output:

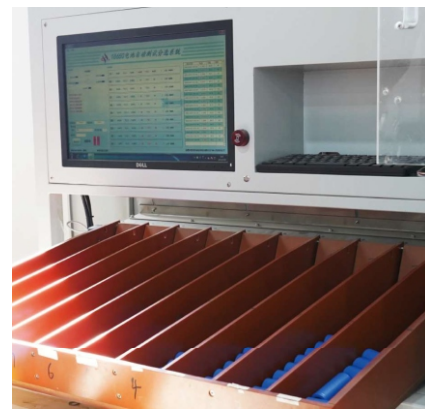
**300000+**



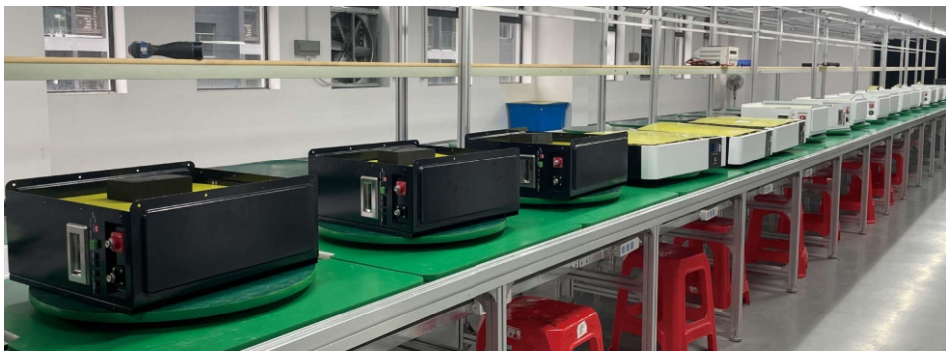
# R&D Capability

Ecavix Energy Limited Energy has achieved vericolintearation throuoh advanced alobal manuiacturina facilities that incorordte innovatieechnology. This integration enables us to manufacture top-notch lithium battery cells, modules, and packs of exceptional qualitytailored to fulfill the diverse demands of alobal markets.

Concurently, our engineering feam possesses an extensive wealth of knowledge and years of experience, enabling us to swiflyconceptualize and create novel battery solutions. This profciency aids our clents in promptly introducina their inventive producisto the market.







## CERTIFICATIONS

Ecavix boasts a dedicated research and development unit guided by seasoned professionals, entrusted with the autonomous creation of power and energy storage battery products under "Ecavix" brand. Our adherence to ISO9001:2015 quality management standards is a testament to our commitment.





# WALL MONTED & STACKABLE BATTERY

Low Voltage (24V/48V) Household Energy Storage Solution



Wall Mounted & Stackable

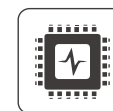


2.5Kwh~20Kwh Stackable & Wall-Mounted Energy Storage Lithium (LiFePO4) Battery

## Features



LiFePO4:  
Higher safe  
performance and  
longer cycle life.



Multiple Protection:  
Built-in  
smart BMS.



Flexible Installation:  
portable integrated design



Removable wheels  
indoor & outdoor



Plug-and-Play  
Power for Any Situation



Power 99% of  
Home Appliances

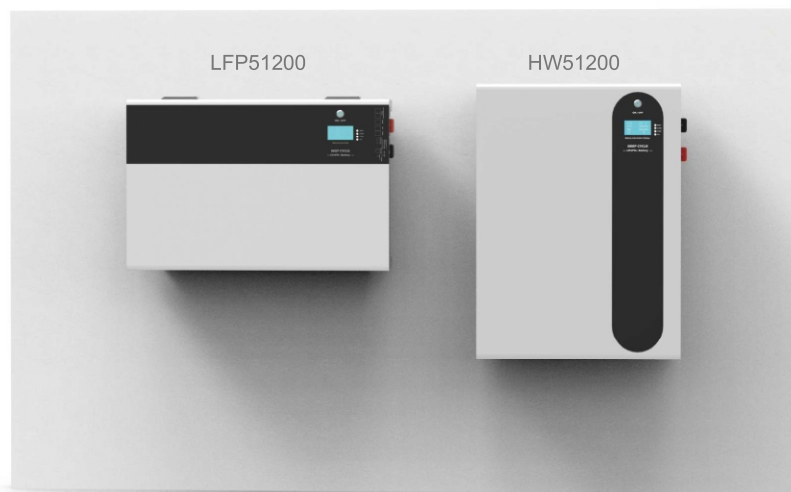
| Parameters                  |                                                  | Data Sheet         |                                                   |
|-----------------------------|--------------------------------------------------|--------------------|---------------------------------------------------|
| Model                       | LFP25100                                         | LFP25200           | LFP51100                                          |
| Nominal Voltage             | 25.6V                                            | 25.6V              | 51.2V                                             |
| Nominal Capacity            | 100Ah                                            | 200Ah              | 100Ah / 200Ah / 300Ah / 400Ah                     |
| Battery Energy              | 2.56Kwh                                          | 5.12Kwh            | 5.12Kwh~20.48Kwh                                  |
| Weight                      | 28±0.5Kg                                         | 45±0.5Kg           | 45±0.5Kg (Single battery module)                  |
| Dimensions(L*D*H)           | 483*175*450mm                                    | 483*220*460(490)mm | 483*220*460(490)mm (Single battery module)        |
| Discharging Cut-off Voltage | 22.4V± 0.2V                                      |                    | 44.8V± 0.2V                                       |
| Charging Cut-off Voltage    | 28.8V± 0.2V                                      |                    | 57.6V± 0.2V                                       |
| Discharging Current         | Recommend / 50A; Max. / 100A; Peak / 105A(5 sec) |                    | Recommend / 50A; Max. / 100A; Peak / 105A(5 sec)* |
| Charging Current            | Recommend / 20A ; Max. / 50A                     |                    | Recommend / 20A ; Max. / 50A*                     |
| Cell Type                   | LiFePO4 Battery                                  |                    |                                                   |
| Terminal                    | M8                                               |                    |                                                   |
| Case Material               | Metal Box                                        |                    |                                                   |
| Communication Mode          | RS485/CAN                                        |                    |                                                   |
| Working Temperature         | 0°C~50°C Charge / -10°C~50°C Discharge           |                    |                                                   |
| The Shelf Temperature       | -20°C~60°C                                       |                    |                                                   |
| Humidity                    | 5~95%(RH)                                        |                    |                                                   |
| Design Life Cycle           | 10+Years (25°C/77°F)                             |                    |                                                   |
| Cycle Life                  | ≥6500                                            |                    |                                                   |

\*The corresponding parameters are for a single battery module. The actual data will change as the number of parallel connections increases. If you have any questions, please feel free to consult us.



# ENERGY STORAGE BATTERY SERIES

Low Voltage (24V/48V) Household Energy Storage Solution

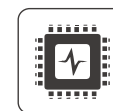


10Kwh Wall-Mounted Energy Storage Lithium (LiFePO4) Battery

## Features



LiFePO4:  
Higher safe  
performance and  
longer cycle life.



Multiple Protection:  
Built-in  
smart BMS.



Flexible Installation:  
portable integrated design



Removable wheels  
indoor & outdoor



Plug-and-Play  
Power for Any Situation



Power 99% of  
Home Appliances

| Parameters                  | Data Sheet                                        |                    |
|-----------------------------|---------------------------------------------------|--------------------|
| Model                       | LFP51200                                          | HW51200            |
| Nominal Voltage             | 51.2V                                             | 51.2V              |
| Nominal Capacity            | 200Ah                                             | 200Ah              |
| Battery Energy              | 10.24Kwh                                          | 10.24Kwh           |
| Weight                      | 82±0.5Kg                                          | 87.5±0.5Kg         |
| Dimensions(L*D*H)           | 730*148(180)*475mm                                | 560*160(185)*760mm |
| Discharging Cut-off Voltage | 44.8V± 0.2V                                       |                    |
| Charging Cut-off Voltage    | 57.6V± 0.2V                                       |                    |
| Discharging Current         | Recommend / 100A; Max. / 200A; Peak / 210A(5 sec) |                    |
| Charging Current            | Recommend / 40A; Max. / 100A                      |                    |
| Cell Type                   | LiFePO4 Battery                                   |                    |
| Terminal                    | M8                                                |                    |
| Case Material               | Metal Box                                         |                    |
| Communication Mode          | RS485/CAN                                         |                    |
| Working Temperature         | 0°C~50°C Charge / -10°C~50°C Discharge            |                    |
| The Shelf Temperature       | -20°C~60°C                                        |                    |
| Humidity                    | 5~95%(RH)                                         |                    |
| Design Life Cycle           | 10+Years (25°C/77°F)                              |                    |
| Cycle Life                  | ≥6500                                             |                    |



## RACK BATTERY

Low Voltage (24V/48V) Energy Storage Solution

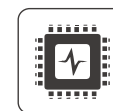


5Kwh~15Kwh Base Station Energy Storage Lithium (LiFePO4) Battery

## Features



LiFePO4:  
Higher safe  
performance and  
longer cycle life.



Multiple Protection:  
Built-in  
smart BMS.



Flexible Installation:  
portable integrated design



Removable wheels  
indoor & outdoor



Plug-and-Play  
Power for Any Situation



Power 99% of  
Home Appliances

| Parameters                  | Data Sheet                                       |                    |                                                   |
|-----------------------------|--------------------------------------------------|--------------------|---------------------------------------------------|
| Model                       | LFP BE51100                                      | LFP BE51200        | LFP BE51300                                       |
| Nominal Voltage             | 51.2V                                            | 51.2V              | 51.2V                                             |
| Nominal Capacity            | 100Ah                                            | 200Ah              | 300Ah                                             |
| Battery Energy              | 5.12Kwh                                          | 10.24Kwh           | 15.36Kwh                                          |
| Weight                      | 45±0.5Kg                                         | 83±0.5Kg           | 108±0.5Kg                                         |
| Dimensions(L*W*H)           | 482(438)*420*177mm                               | 482(438)*540*240mm | 482(438)*682*240mm                                |
| Discharging Cut-off Voltage | 44.8V± 0.2V                                      | 44.8V± 0.2V        |                                                   |
| Charging Cut-off Voltage    | 57.6V± 0.2V                                      | 57.6V± 0.2V        |                                                   |
| Discharging Current         | Recommend / 50A; Max. / 100A; Peak / 105A(5 sec) |                    | Recommend / 100A; Max. / 200A; Peak / 210A(5 sec) |
| Charging Current            | commend / 20A ; Max. / 50A                       |                    | Recommend / 40A ; Max. / 100A                     |
| Cell Type                   | LiFePO4 Battery                                  |                    |                                                   |
| Terminal                    | M8                                               |                    |                                                   |
| Case Material               | Metal Box                                        |                    |                                                   |
| Communication Mode          | RS485/CAN                                        |                    |                                                   |
| Working Temperature         | 0°C~50°C Charge / -10°C~50°C Discharge           |                    |                                                   |
| The Shelf Temperature       | -20°C~60°C                                       |                    |                                                   |
| Humidity                    | 5~95%(RH)                                        |                    |                                                   |
| Design Life Cycle           | 10+Years (25°C/77°F)                             |                    |                                                   |
| Cycle Life                  | ≥6500                                            |                    |                                                   |

# STACKED BATTERY

Low Voltage (24V/48V) Household Energy Storage Solution



## Features



HS51100

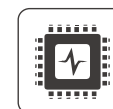
HS51200-10

LFP51300

5Kwh~50Kwh Stackable & Movable Mounted Energy Storage Lithium (LiFePO4) Battery



LiFePO4:  
Higher safe  
performance and  
longer cycle life.



Multiple Protection:  
Built-in  
smart BMS.



Flexible Installation:  
portable integrated design



Removable wheels  
indoor & outdoor



Plug-and-Play  
Power for Any Situation



Power 99% of  
Home Appliances

| Parameters                  |                                                   | Data Sheet                                         |                                           |
|-----------------------------|---------------------------------------------------|----------------------------------------------------|-------------------------------------------|
| Model                       | HS51100                                           | HS51200-10                                         | LFP51300                                  |
| Nominal Voltage             | 51.2V                                             | 51.2V                                              | 51.2V                                     |
| Nominal Capacity            | 100Ah/200Ah/300Ah/400Ah/500Ah                     | 200Ah/400Ah/600Ah/800Ah/1000Ah                     | 300Ah/600Ah/900Ah                         |
| Battery Energy              | 5.12Kwh~25.6Kwh                                   | 10.24Kwh~50.12Kwh                                  | 15Kwh~45Kwh                               |
| Weight                      | 47±0.5Kg (Single battery module)                  | 85±0.5Kg (Single battery module)                   | 118±0.5Kg (Single battery module)         |
| Dimensions(L*D*H)           | 640*450*180/310mm (Single battery module)         | 690*590*160/290mm (Single battery module)          | 690*590*258/388mm (Single battery module) |
| Discharging Cut-off Voltage | 44.8V± 0.2V                                       | 44.8V± 0.2V                                        |                                           |
| Charging Cut-off Voltage    | 57.6V± 0.2V                                       | 57.6V± 0.2V                                        |                                           |
| Discharging Current         | Recommend / 50A; Max. / 100A; Peak / 105A(5 sec)* | Recommend / 100A; Max. / 200A; Peak / 210A(5 sec)* |                                           |
| Charging Current            | Recommend / 20A ; Max. / 50A*                     | Recommend / 40A ; Max. / 100A*                     |                                           |
| Cell Type                   | LiFePO4 Battery                                   |                                                    |                                           |
| Terminal                    | M8                                                |                                                    |                                           |
| Case Material               | Metal Box                                         |                                                    |                                           |
| Communication Mode          | RS485/CAN                                         |                                                    |                                           |
| Working Temperature         | 0°C~50°C Charge / -10°C~50°C Discharge            |                                                    |                                           |
| The Shelf Temperature       | -20°C~60°C                                        |                                                    |                                           |
| Humidity                    | 5~95%(RH)                                         |                                                    |                                           |
| Design Life Cycle           | 10+Years (25°C/77°F)                              |                                                    |                                           |
| Cycle Life                  | ≥6500                                             |                                                    |                                           |

\*The corresponding parameters are for a single battery module. The actual data will change as the number of parallel connections increases. If you have any questions, please feel free to consult us.



# GROUND BASE BATTERY

Low Voltage (24V/48V) Household Energy Storage Solution

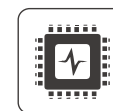


10Kwh~32Kwh Large Energy Storage Lithium (LiFePO4) Battery

## Features



LiFePO4:  
Higher safe  
performance and  
longer cycle life.



Multiple Protection:  
Built-in  
smart BMS.



Flexible Installation:  
portable integrated design



Removable wheels  
indoor & outdoor



Plug-and-Play  
Power for Any Situation



Power 99% of  
Home Appliances

| Parameters                  | Data Sheet                                        |               |               |                                                   |
|-----------------------------|---------------------------------------------------|---------------|---------------|---------------------------------------------------|
| Model                       | LVM10                                             | LVM15         | LVM15L        | LVM30L                                            |
| Nominal Voltage             | 51.2V                                             | 51.2V         | 51.2V         | 51.2V                                             |
| Nominal Capacity            | 200~230Ah                                         | 280~314Ah     | 280~314Ah     | 560~625Ah                                         |
| Battery Energy              | 10.24~11.77Kwh                                    | 14.3~16Kwh    | 14.3~16Kwh    | 28.6~32Kwh                                        |
| Weight                      | ≈89Kg                                             | ≈117Kg        | ≈120Kg        | ≈230Kg                                            |
| Dimensions(L*D*H)           | 437*262*730mm                                     | 437*262*878mm | 640*262*616mm | 830*272*700(775)mm                                |
| Discharging Cut-off Voltage | 44.8V± 0.2V                                       |               |               | 44.8V± 0.2V                                       |
| Charging Cut-off Voltage    | 57.6V± 0.2V                                       |               |               | 57.6V± 0.2V                                       |
| Discharging Current         | Recommend / 100A; Max. / 200A; Peak / 210A(5 sec) |               |               | Recommend / 200A; Max. / 300A; Peak / 310A(5 sec) |
| Charging Current            | Recommend / 40A ; Max. / 100A                     |               |               | Recommend / 75A ; Max. / 150A                     |
| Cell Type                   | LiFePO4 Battery                                   |               |               |                                                   |
| Terminal                    | M8                                                |               |               |                                                   |
| Case Material               | Metal Box                                         |               |               |                                                   |
| Communication Mode          | RS485 / CAN / ( Optional WIFI / BT )              |               |               |                                                   |
| Working Temperature         | 0°C~50°C Charge / -10°C~50°C Discharge            |               |               |                                                   |
| The Shelf Temperature       | -20°C~60°C                                        |               |               |                                                   |
| Humidity                    | 5~95%(RH)                                         |               |               |                                                   |
| Design Life Cycle           | 10+Years (25°C/77°F)                              |               |               |                                                   |
| Cycle Life                  | ≥6500                                             |               |               |                                                   |

# WALL MOUNTED/STACKABLE BATTERY

Low Voltage (24V/48V) Household Energy Storage Solution

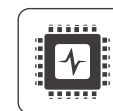


5kwh~25Kwh Wall-Mounted / Stackable Energy Storage Lithium (LiFePO4) Battery

## Features



LiFePO4:  
Higher safe  
performance and  
longer cycle life.



Multiple Protection:  
Built-in  
smart BMS.



Flexible Installation:  
portable integrated design



Removable wheels  
indoor & outdoor



Plug-and-Play  
Power for Any Situation



Power 99% of  
Home Appliances

| Parameters                  |                                                    | Data Sheet                                 |
|-----------------------------|----------------------------------------------------|--------------------------------------------|
| Model                       | LFP25200-W                                         | HS25200-5                                  |
| Nominal Voltage             | 25.6V                                              | 25.6V                                      |
| Nominal Capacity            | 200Ah                                              | 200Ah / 400Ah / 600Ah / 800Ah / 1000Ah     |
| Battery Energy              | 5.12Kwh                                            | 5.12Kwh~25.6Kwh                            |
| Weight                      | 43±0.5Kg                                           | 45±0.5Kg (Single battery module)           |
| Dimensions(L*D*H)           | 730*148(180)*330mm                                 | 690*420*160(310)mm (Single battery module) |
| Discharging Cut-off Voltage | 22.4V± 0.2V                                        |                                            |
| Charging Cut-off Voltage    | 28.8V± 0.2V                                        |                                            |
| Discharging Current         | Recommend / 100A; Max. / 200A; Peak / 210A(5 sec)* |                                            |
| Charging Current            | Recommend / 40A ; Max. / 100A*                     |                                            |
| Cell Type                   | LiFePO4 Battery                                    |                                            |
| Terminal                    | M8                                                 |                                            |
| Case Material               | Metal Box                                          |                                            |
| Communication Mode          | RS485/CAN                                          |                                            |
| Working Temperature         | 0°C~50°C Charge / -10°C~50°C Discharge             |                                            |
| The Shelf Temperature       | -20°C~60°C                                         |                                            |
| Humidity                    | 5~95%(RH)                                          |                                            |
| Design Life Cycle           | 10+Years (25°C/77°F)                               |                                            |
| Cycle Life                  | ≥6500                                              |                                            |

\*The corresponding parameters are for a single battery module. The actual data will change as the number of parallel connections increases. If you have any questions, please feel free to consult us.



REPLACEMENT LEAD-ACID BATTERY SERIES

12V LITHIUM (Lifepo4) BATTERY



Application Scenario



Outdoor Backup Battery



Solar Street Light



Electric Toy Car



RV Energy Storage



Energy Storage



Low speed scooter



Wading Work Battery



Household Energy Storage



Golf Cart Power Battery



Marine Energy Storage



Daily AC/DC Applications



Electric Forklift Battery



| Models                      | LFP12100                               | LFP12150      | LFP12200      |
|-----------------------------|----------------------------------------|---------------|---------------|
| Product Specification       | 12V 100Ah                              | 12V 150Ah     | 12V 200Ah     |
| Nominal Voltage             | 12.8V                                  | 12.8V         | 12.8V         |
| Nominal Capacity            | 100Ah                                  | 150Ah         | 200Ah         |
| Battery Energy              | 1280Wh                                 | 1920Wh        | 2560Wh        |
| Max Charge Current          | 70A                                    | 70A           | 100A          |
| Max Discharge Current       | 100A                                   | 100A          | 200A          |
| Weight                      | 11.2Kg                                 | 14.5Kg        | 19.5Kg        |
| Dimensions(L*W*H)           | 329*172*214mm                          | 485*168*240mm | 522*239*218mm |
| Terminal                    | M8                                     |               |               |
| Charging Cut-off Voltage    | 14.6V± 0.2V                            |               |               |
| Discharging Cut-off Voltage | 9.2V± 0.2V                             |               |               |
| Cell Type                   | LiFePO4 Battery                        |               |               |
| Case Material               | ABS+PC                                 |               |               |
| Cycle Life                  | ≥6500 Cycles                           |               |               |
| Working Temperature         | Charge: 0°C-50°C / Discharge:-5°C-55°C |               |               |

# REPLACEMENT LEAD-ACID BATTERY SERIES

## 24V LITHIUM (Lifepo4) BATTERY



## Application Scenario



Outdoor Backup Battery



Solar Street Light



Electric Toy Car



RV Energy Storage



Energy Storage



Low speed scooter



Wading Work Battery



Household Energy Storage



Golf Cart Power Battery



Marine Energy Storage



Daily AC/DC Applications



Electric Forklift Battery

| Models                      | LFP24100                               | LFP24150         | LFP51100         |
|-----------------------------|----------------------------------------|------------------|------------------|
| Product Specification       | 24V100Ah                               | 24V150Ah         | 51.2V100Ah       |
| Nominal Voltage             | 25.6V                                  | 25.6V            | 25.6V            |
| Nominal Capacity            | 100Ah                                  | 150Ah            | 100Ah            |
| Battery Energy              | 2560Wh                                 | 3840Wh           | 5120Wh           |
| Max Charge Current          | 70A                                    | 70A              | 70A              |
| Max Discharge Current       | 100A                                   | 100A             | 100A             |
| Weight                      | 25Kg                                   | 25Kg             | 40Kg             |
| Dimensions(L*W*H)           | L522*W242*H220mm                       | L522*W268*H220mm | L520*W267*H220mm |
| Terminal                    | M8                                     |                  |                  |
| Charging Cut-off Voltage    | 14.6V± 0.2V                            |                  |                  |
| Discharging Cut-off Voltage | 9.2V± 0.2V                             |                  |                  |
| Cell Type                   | LiFePO4 Battery                        |                  |                  |
| Case Material               | ABS+PC                                 |                  |                  |
| Cycle Life                  | ≥6500 Cycles                           |                  |                  |
| Working Temperature         | Charge: 0°C-50°C / Discharge:-5°C-55°C |                  |                  |

## POWER BATTERY SERIES

36V~72V Power Lithium (LiFePO4) Battery



Support Lead Display →



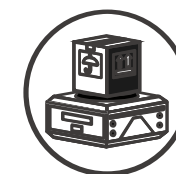
Golf Cart



Forklift



Electric Boat



AGV

| Parameters                  | Data Sheet                                     |                                                |                                                |                                                |
|-----------------------------|------------------------------------------------|------------------------------------------------|------------------------------------------------|------------------------------------------------|
| Model                       | GP36105                                        | GP48105                                        | GP48150                                        | GP48200                                        |
| Product Specification       | 38.4V105Ah                                     | 51.2V105Ah                                     | 51.2V150Ah                                     | 51.2V200Ah                                     |
| Nominal Voltage             | 38.4V                                          | 51.2V                                          | 51.2V                                          | 51.2V                                          |
| Nominal Capacity            | 105Ah                                          | 105Ah                                          | 150Ah                                          | 200Ah                                          |
| Battery Energy              | 4032Wh                                         | 5376Wh                                         | 7680Wh                                         | 10240Wh                                        |
| Charging Current            | Recommend/ 20A; Max./ 50A                      | Recommend/ 20A; Max./ 50A                      | Recommend/ 30A; Max./ 70A                      | Recommend/ 40A; Max./ 100A                     |
| Discharging Current         | Recommend/ 100A;<br>Max./ 150A; Peak/ 200A(3S) | Recommend/ 100A;<br>Max./ 150A; Peak/ 200A(3S) | Recommend/ 100A;<br>Max./ 150A; Peak/ 200A(3S) | Recommend/ 100A;<br>Max./ 200A; Peak/ 250A(3S) |
| Discharging Cut-off Voltage | 33.6V± 0.2V                                    | 44.8V± 0.2V                                    | 44.8V± 0.2V                                    | 44.8V± 0.2V                                    |
| Charging Cut-off Voltage    | 43.2V± 0.2V                                    | 57.6V± 0.2V                                    | 57.6V± 0.2V                                    | 57.6V± 0.2V                                    |
| Weight                      | ≈36Kg                                          | ≈45Kg                                          | ≈58Kg                                          | ≈80Kg                                          |
| Dimensions(L*W*H)           | 360(420)*250(300)*247mm                        | 410(470)*284(334)*247mm                        | 540(600)*275(325)*295mm                        | 540(600)*360(410)*265mm                        |
| Cell Type                   | LiFePO4 Battery                                |                                                |                                                |                                                |
| Terminal                    | M8 screw / Anderson(Support customization)     |                                                |                                                |                                                |
| Case Material               | Metal Box                                      |                                                |                                                |                                                |
| Communication Mode          | RS485 or BT (Optional)                         |                                                |                                                |                                                |
| Depth of Discharge          | 95                                             |                                                |                                                |                                                |
| Working Temperature         | 0°C~50°C Charge / -10°C~50°C Discharge         |                                                |                                                |                                                |
| The Shelf Temperature       | -20°C~60°C                                     |                                                |                                                |                                                |
| Humidity                    | 5~95%(RH)                                      |                                                |                                                |                                                |
| Design Life Cycle           | 10+Years (25°C/77°F)                           |                                                |                                                |                                                |
| Assembly Method             | M10 screw / Battery Compartment                |                                                |                                                |                                                |



## POWER BATTERY SERIES

36V~72V Power Lithium (LiFePO4) Battery



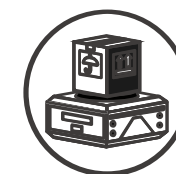
Golf Cart



Forklift



Electric Boat



AGV

| Parameters                  | Data Sheet                                      |                                                 |                                                 |                                                 |                                                 |
|-----------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|
| Model                       | GP60105                                         | GP60200                                         | GP72105                                         | GP72120                                         | GP72200                                         |
| Product Specification       | 64V105Ah                                        | 64V200Ah                                        | 76.8V105Ah                                      | 76.8V120Ah                                      | 76.8V200Ah                                      |
| Nominal Voltage             | 64V                                             | 64V                                             | 76.8V                                           | 76.8V                                           | 76.8V                                           |
| Nominal Capacity            | 105Ah                                           | 200Ah                                           | 105Ah                                           | 105Ah                                           | 200Ah                                           |
| Battery Energy              | 6720Wh                                          | 12800Wh                                         | 8064Wh                                          | 9216Wh                                          | 15360Wh                                         |
| Charging Current            | Recommend/ 20A; Max./ 50A                       | Recommend/ 40A; Max./ 100A                      | Recommend/ 20A; Max./ 50A                       | Recommend/ 20A; Max./ 50A                       | Recommend/ 40A; Max./ 100A                      |
| Discharging Current         | Recommend/ 100A;<br>Max./ 150A ; Peak/ 200A(3S) | Recommend/ 100A;<br>Max./ 200A ; Peak/ 250A(3S) | Recommend/ 100A;<br>Max./ 150A ; Peak/ 200A(3S) | Recommend/ 100A;<br>Max./ 150A ; Peak/ 200A(3S) | Recommend/ 100A;<br>Max./ 200A ; Peak/ 250A(3S) |
| Discharging Cut-off Voltage | 56V± 0.2V                                       | 56V± 0.2V                                       | 67.2V± 0.2V                                     | 67.2V± 0.2V                                     | 67.2V± 0.2V                                     |
| Charging Cut-off Voltage    | 72V± 0.2V                                       | 72V± 0.2V                                       | 86.4V± 0.2V                                     | 86.4V± 0.2V                                     | 86.4V± 0.2V                                     |
| Weight                      | ≈55Kg                                           | ≈86Kg                                           | ≈62Kg                                           | ≈68Kg                                           | ≈110Kg                                          |
| Dimensions(L*W*H)           | 480(540)*284(334)*247mm                         | 620(680)*360(410)*265mm                         | 480(540)*284(334)*247mm                         | 700(760)*360(410)*210mm                         | 780(840)*360(410)*265mm                         |
| Cell Type                   | LiFePO4 Battery                                 |                                                 |                                                 |                                                 |                                                 |
| Terminal                    | M8 screw / Anderson(Support customization)      |                                                 |                                                 |                                                 |                                                 |
| Case Material               | Metal Box                                       |                                                 |                                                 |                                                 |                                                 |
| Communication Mode          | RS485 or BT (Optional)                          |                                                 |                                                 |                                                 |                                                 |
| Depth of Discharge          | 95                                              |                                                 |                                                 |                                                 |                                                 |
| Working Temperature         | 0°C~50°C Charge / -10°C~50°C Discharge          |                                                 |                                                 |                                                 |                                                 |
| The Shelf Temperature       | -20°C~60°C                                      |                                                 |                                                 |                                                 |                                                 |
| Humidity                    | 5~95%(RH)                                       |                                                 |                                                 |                                                 |                                                 |
| Design Life Cycle           | 10+Years (25°C/77°F)                            |                                                 |                                                 |                                                 |                                                 |
| Assembly Method             | M10 screw / Battery Compartment                 |                                                 |                                                 |                                                 |                                                 |

# REPLACEMENT LEAD-ACID BATTERY SERIES

RV and Outdoor Backup 12V Battery



Built-in RV 12V Backup Battery

## Features



LiFePO4:  
Higher safe  
performance and  
longer cycle life.



Long Life:  
cycle life ≥6500.



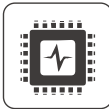
Lower self-discharge rate.



Small size, big power,  
easy to carry.



unaffected by high temperatures  
and cold weather.



Multiple Protection:  
Built-in smart BMS.

| Parameters                  |                                        | Data Sheet                  |  |
|-----------------------------|----------------------------------------|-----------------------------|--|
| Model                       | RVF12200                               | RVF12300                    |  |
| Product Specification       | 12.8V 200Ah / 230Ah                    | 12.8V 280Ah / 300Ah / 314Ah |  |
| Nominal Voltage             | 12.8V                                  | 12.8V                       |  |
| Nominal Capacity            | 200Ah / 230Ah                          | 280Ah / 300Ah / 314Ah       |  |
| Battery Energy              | 2560Wh / 2944Wh                        | 3584Wh / 3840Wh / 4019Wh    |  |
| Max Charging Current        | 70A                                    | 70A                         |  |
| Max Discharging Current     | 200A                                   | 200A                        |  |
| Discharging Cut-off Voltage | 9.2V± 0.2V                             | 9.2V± 0.2V                  |  |
| Charging Cut-off Voltage    | 14.6V± 0.2V                            | 14.6V± 0.2V                 |  |
| Weight                      | 26Kg                                   | 34Kg                        |  |
| Dimensions(L*D*H)           | 520*125*270mm                          | 520*160*270mm               |  |
| Assembly Method             | M10 Screw                              | M10 Screw                   |  |
| Cell Type                   | LiFePO4 Battery                        |                             |  |
| Display                     | LCD                                    |                             |  |
| Terminal                    | M8 / SB50/ DC12V* 2                    |                             |  |
| Case Material               | Metal Box                              |                             |  |
| Depth of Discharge          | 95                                     |                             |  |
| Working Temperature         | 0°C~50°C Charge / -10°C~50°C Discharge |                             |  |
| The Shelf Temperature       | -20°C~60°C                             |                             |  |
| Humidity                    | 5~95%(RH)                              |                             |  |
| Design Life Cycle           | 10+Years (25°C/77°F)                   |                             |  |
| Cycle Life                  | ≥6500 at 25°C                          |                             |  |

# PROJECT CASE

Solar power systems are becoming increasingly popular because they provide an effective solution for supplying continuous power to areas with unstable electricity while being environmentally friendly.

By the end of 2024, Ecavix Energy has expanded its operations to over 138 countries and we are proud to contribute our strength in changing the way people generate, transmit, and use electricity.



**THE CASE OF FRANCE**  
10kWh Stackable  
energy storage battery



**THE CASE OF GERMANY**  
20kWh Wall Mounted  
energy storage battery



**THE CASE OF GERMANY**  
50kWh Stackable & Movable  
energy storage battery



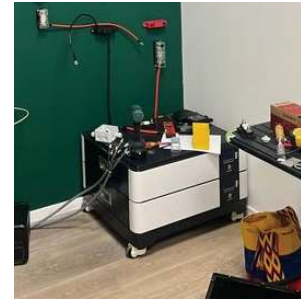
**THE CASE OF GERMANY**  
10kWh Stackable  
energy storage battery



**THE CASE OF FRANCE**  
10kWh Stackable  
energy storage battery



**THE CASE OF GERMANY**  
5kWh Stackable  
energy storage battery



**THE CASE OF GERMANY**  
20kWh Stackable & Movable  
energy storage battery



**THE CASE OF ITALY**  
40kWh Stackable & Movable  
energy storage battery



**THE CASE OF America**  
50kWh Stackable & Movable  
energy storage battery



**THE CASE OF RUSSIA**  
20kWh Stackable & Movable  
energy storage battery



**THE CASE OF RUSSIA**  
10kWh Wall Mounted  
energy storage battery



**THE CASE OF ITALY**  
10kWh Stackable & Movable  
energy storage battery



**THE CASE OF ITALY**  
10kWh Stackable & Movable  
energy storage battery



**THE CASE OF GERMANY**  
30kWh Stackable & Movable  
energy storage battery



**THE CASE OF GERMANY**  
50kWh Stackable & Movable  
energy storage battery