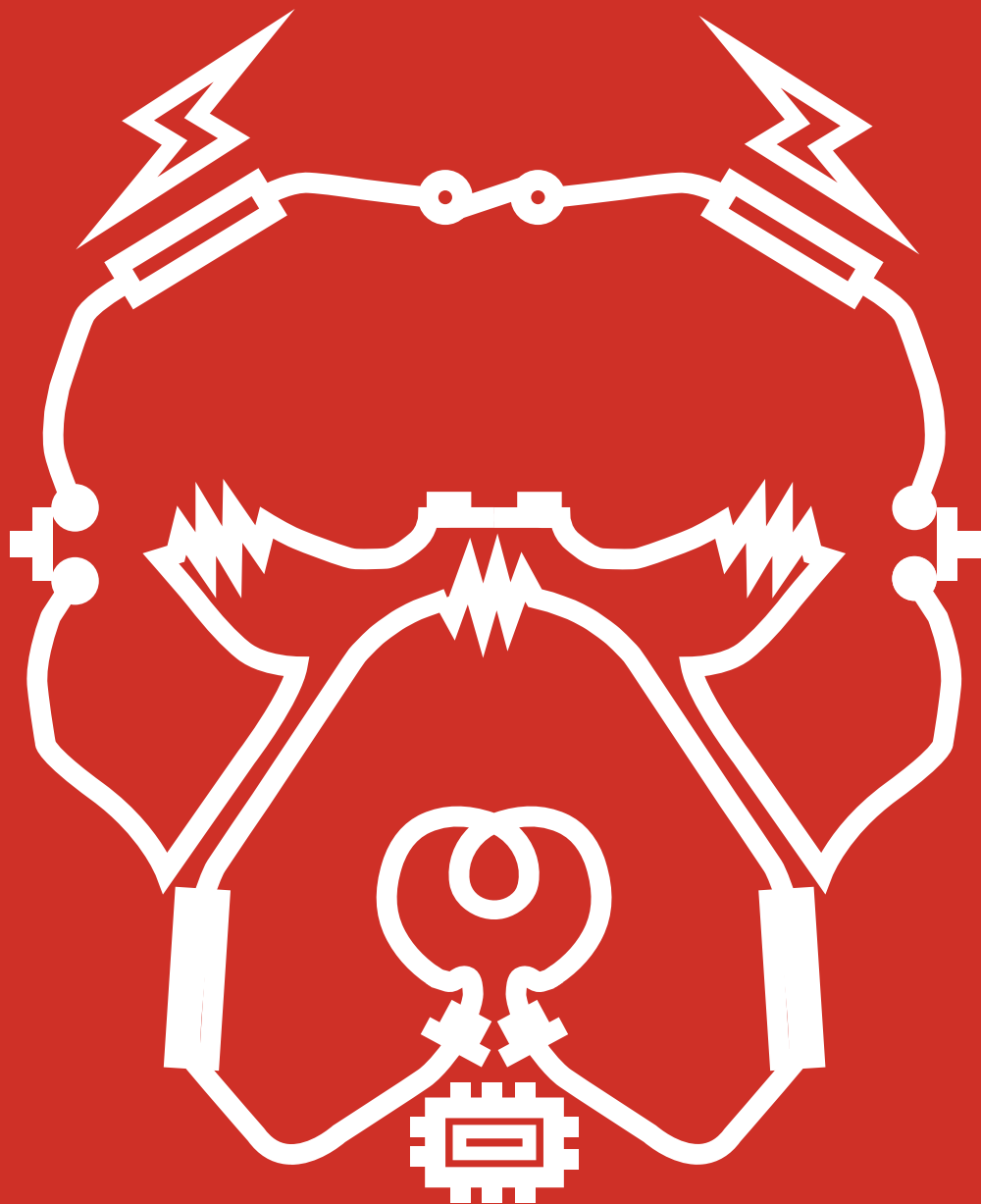


PITBULL POWER



PRODUCT CATALOGUE

LITHIUM-ION BATTERIES

VISION



Commitment to Sustainability

Driving a sustainable future through renewable energy, eco-friendly technologies, and reduced fossil fuel reliance for environmental, social, and economic benefits.



Innovation & Excellence

Advancing lithium-ion technology with high-performance batteries that set new industry standards, excelling in energy density, efficiency, safety, durability, and fast charging to outperform competitors.



Powering the Clean Energy Revolution

Powering EVs, renewable storage, and clean-tech solutions to cut carbon emissions, promote eco-friendly transport, and drive energy-efficient innovations for a greener planet.

MISSION



Leading the Future of Energy

Deliver reliable, eco-friendly lithium-ion batteries. Accelerate renewable energy, electric vehicles, and portable power adoption. Ensure safety, efficiency, and sustainability in every product.



Shaping a Sustainable World

Drive the shift from fossil fuels to clean energy. Promote solar, wind, and battery-powered systems. Innovate and lead industry advancements.



Commitment to Excellence & Responsibility

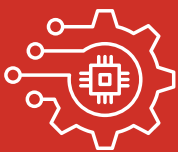
Develop high-performance batteries with minimal environmental impact. Ensure responsible material sourcing and reduce carbon footprint. Combine innovation with sustainability for lasting solutions.

ABOUT BRAND

Inhouse R&D

Our in-house R&D drives innovation, ensuring top-quality lithium-ion batteries through advanced materials and manufacturing to meet evolving market demands.

Key Areas of Focus in Our In-House R&D:



Advanced Materials Development:

Our R&D team is dedicated to exploring and optimizing new materials for our battery.



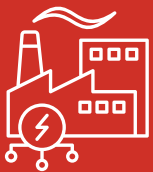
Battery Efficiency and Performance:

Our R&D enhances battery efficiency, ensuring maximum energy storage, stability, and durability through continuous testing and innovation over thousands of cycles.



Safety and Thermal Management:

We prioritize battery safety with advanced thermal management, enhanced BMS, and safety protocols to prevent overheating, thermal runaway, and external damage.



Manufacturing Process Optimization:

Efficiency in the manufacturing process directly impacts both cost and quality. By integrating high quality machines, we are able to improve production speed, reduce defects and ensure quality control.



Customized Solutions for Specific Applications:

Our in-house R&D customizes batteries to meet industry-specific needs, from EVs and renewable storage to consumer electronics and beyond.

Our in-house R&D and vertically integrated approach ensure full control over development, enabling efficient delivery of high-quality, reliable, and cost-effective lithium-ion batteries tailored to customer needs.

State of the Art Manufacturing Facility

At Pitbull Power, we operate a cutting-edge manufacturing facility that incorporates the latest advancements in battery production technology. Our state-of-the-art plant is designed to meet the highest standards of efficiency, precision, and safety, ensuring that each lithium-ion battery we produce is of the highest quality.

By leveraging the latest innovations in battery technology and manufacturing processes, our facility ensures that we consistently deliver high-performance, long-lasting batteries that meet the needs of industries such as electric vehicles, renewable energy storage, and consumer electronics.

After-Sales Support

We believe that exceptional customer service doesn't end after the purchase, it's just the beginning. Our after-sales support is designed to ensure that you get the most out of your lithium-ion batteries, with peace of mind throughout their lifecycle. We promise to provide prompt and reliable assistance, whether it's for product installation, troubleshooting or performance optimization.

Our dedicated support team is available to answer any questions and resolve any issues efficiently. We offer comprehensive warranty services, technical support, and product maintenance to ensure your batteries continue to perform at their best. Our goal is to build lasting relationships with our customers by delivering ongoing support that goes beyond the sale, ensuring your complete satisfaction and confidence in our products.



E-RIKSHAW BATTERY



High Energy Density



Long Cycle Life



Fast Charging

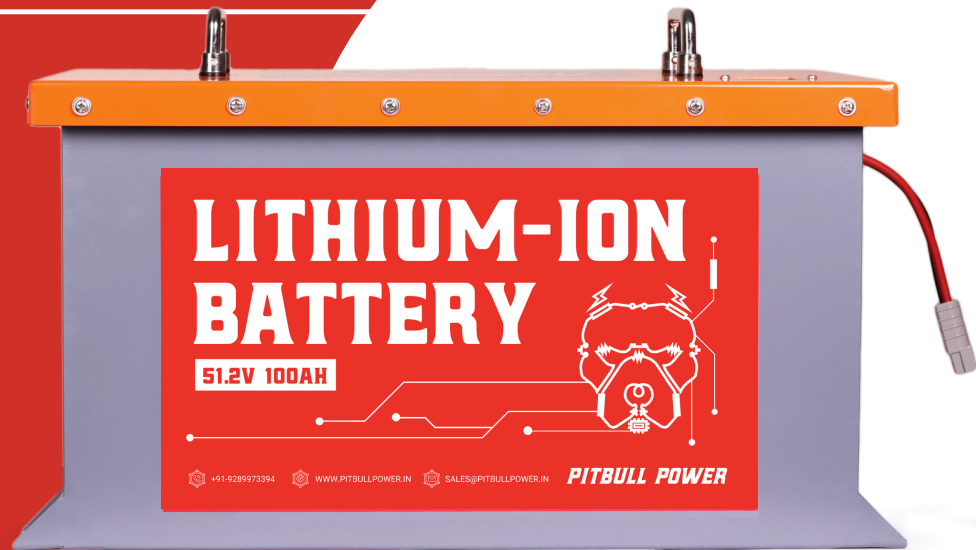


Fire Resistant

E-RIKSHAW BATTERY

PPL51100ER

* Standard as per AIS156



RATING

Voltage Ratings (Volts) : 51.2
Battery Capacity (Ah) : 100
Power Rating (kWh) : 5.12



COMMUNICATION OPTIONS

- Bluetooth
- CAN (Optional)
- UART/RS485 (Optional)
- IoT (Optional) - Cloud Storage, Real Time Performance Analytics, Battery Swapping Analytics, Asset Tracking, SOC Monitoring, Fleet Management



ELELCTRICAL PARAMETERS

- Operating Voltage Range (Volts) : 44.0 ~ 58.4 $\pm$ 1.0
- Maximum Charging Current : 0.5C
- Maximum Discharge Current : 1C Continuous



CELL CYCLE LIFE

≥ 2000



BMS PROTECTION

- Over-charge Protection
- Over-discharge Protection
- Over-current Protection
- Over-temperature Protection
- Short-circuit Protection
- Audio & Visual Alarm



BALANCING MODE

ACTIVE



CHARGER SPECIFICATION

- Charging Voltage (Volts) : 58.0 $\pm$ 0.5
- Charging Current (Amps) : 30.0 $\pm$ 0.5
- Charging Mode : Precharge - CC - CV
- CAN Enabled (Optional)
- LED Display (Optional)
- Earth Leakage Protection
- Reverse Polarity Protection
- Failure Sensing



OPERATING CONDITIONS

- Charging Temperature (Deg.C) : -5 ~ 55
- Discharging Temperature (Deg.C) : -10 ~ 60
- Storage Temperature (Deg.C) : 0 ~ 35



OUTPUT INTERFACE

SB 75 / SB 50



WEATHER SEALING RATING

IP67



FIRE RESISTANCE

YES



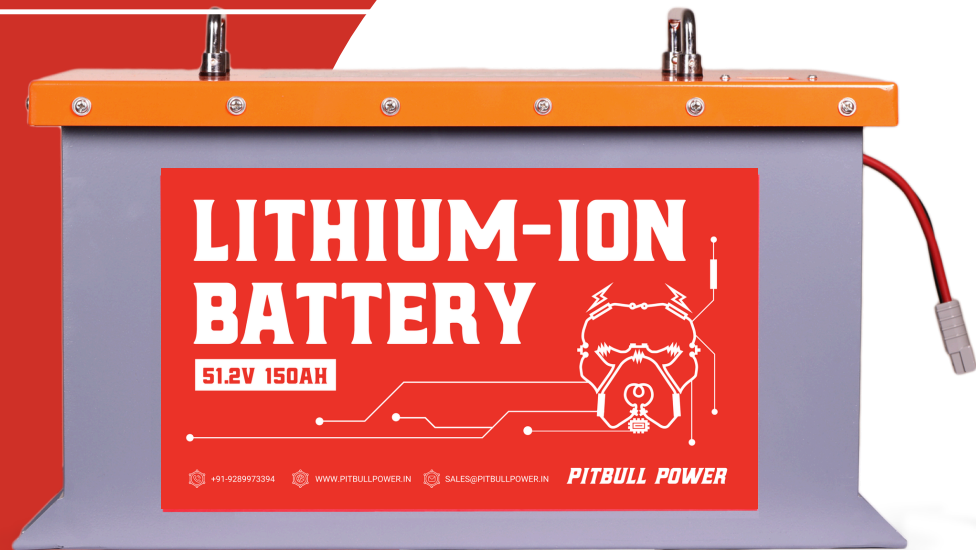
KEY FEATURES

- High Energy Density
- Long Cycle Life
- Fast Charging
- Low Self-Discharge
- Smart Battery Management

E-RIKSHAW BATTERY

PPL51150ER

* Standard as per AIS156



RATING

Voltage Ratings (Volts) : 51.2
Battery Capacity (Ah) : 150
Power Rating (kWh) : 7.68



COMMUNICATION OPTIONS

- Bluetooth
- CAN (Optional)
- UART/RS485 (Optional)
- IoT (Optional) - Cloud Storage, Real Time Performance Analytics, Battery Swapping Analytics, Asset Tracking, SOC Monitoring, Fleet Management



ELELCTRICAL PARAMETERS

- Operating Voltage Range (Volts) : 44.0 ~ 58.4 $\pm$ 1.0
- Maximum Charging Current : 0.5C
- Maximum Discharge Current : 1C Continuous



CELL CYCLE LIFE

≥ 2000



BMS PROTECTION

- Over-charge Protection
- Over-discharge Protection
- Over-current Protection
- Over-temperature Protection
- Short-circuit Protection
- Audio & Visual Alarm



BALANCING MODE

ACTIVE



CHARGER SPECIFICATION

- Charging Voltage (Volts) : 58.0 $\pm$ 0.5
- Charging Current (Amps) : 30.0 $\pm$ 0.5
- Charging Mode : Precharge - CC - CV
- CAN Enabled (Optional)
- LED Display (Optional)
- Earth Leakage Protection
- Reverse Polarity Protection
- Failure Sensing



OPERATING CONDITIONS

- Charging Temperature (Deg.C) : -5 ~ 55
- Discharging Temperature (Deg.C) : -10 ~ 60
- Storage Temperature (Deg.C) : 0 ~ 35



OUTPUT INTERFACE

SB 75 / SB 50



WEATHER SEALING RATING

IP67



FIRE RESISTANCE

YES



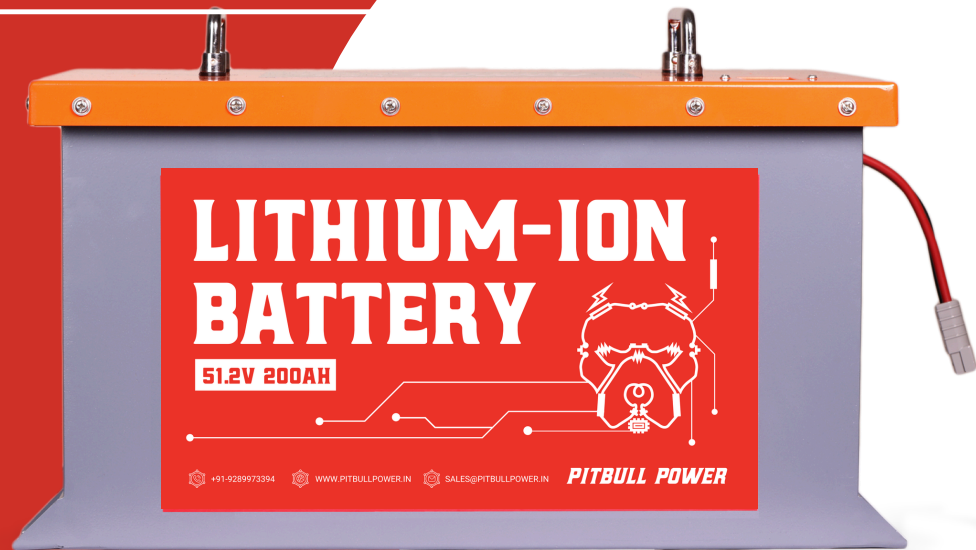
KEY FEATURES

- High Energy Density
- Long Cycle Life
- Fast Charging
- Low Self-Discharge
- Smart Battery Management

E-RIKSHAW BATTERY

PPL51200ER

* Standard as per AIS156



RATING

Voltage Ratings (Volts) : 51.2
Battery Capacity (Ah) : 200
Power Rating (kWh) : 10.44



COMMUNICATION OPTIONS

- Bluetooth
- CAN (Optional)
- UART/RS485 (Optional)
- IoT (Optional) - Cloud Storage, Real Time Performance Analytics, Battery Swapping Analytics, Asset Tracking, SOC Monitoring, Fleet Management



ELELCTRICAL PARAMETERS

- Operating Voltage Range (Volts) : 44.0 ~ 58.4 $\pm$ 1.1
- Maximum Charging Current : 0.5C
- Maximum Discharge Current : 1C Continuous



CELL CYCLE LIFE

≥ 2000



BMS PROTECTION

- Over-charge Protection
- Over-discharge Protection
- Over-current Protection
- Over-temperature Protection
- Short-circuit Protection
- Audio & Visual Alarm



BALANCING MODE

ACTIVE



CHARGER SPECIFICATION

- Charging Voltage (Volts) : 58.0 $\pm$ 0.6
- Charging Current (Amps) : 5.0 $\pm$ 0.6
- Charging Mode : Precharge - CC - CV
- CAN Enabled (Optional)
- LED Display (Optional)
- Earth Leakage Protection
- Reverse Polarity Protection
- Failure Sensing



OPERATING CONDITIONS

- Charging Temperature (Deg.C) : -5 ~ 55
- Discharging Temperature (Deg.C) : -10 ~ 60
- Storage Temperature (Deg.C) : 1 ~ 35



OUTPUT INTERFACE

SB 75 / SB 51



WEATHER SEALING RATING

IP67



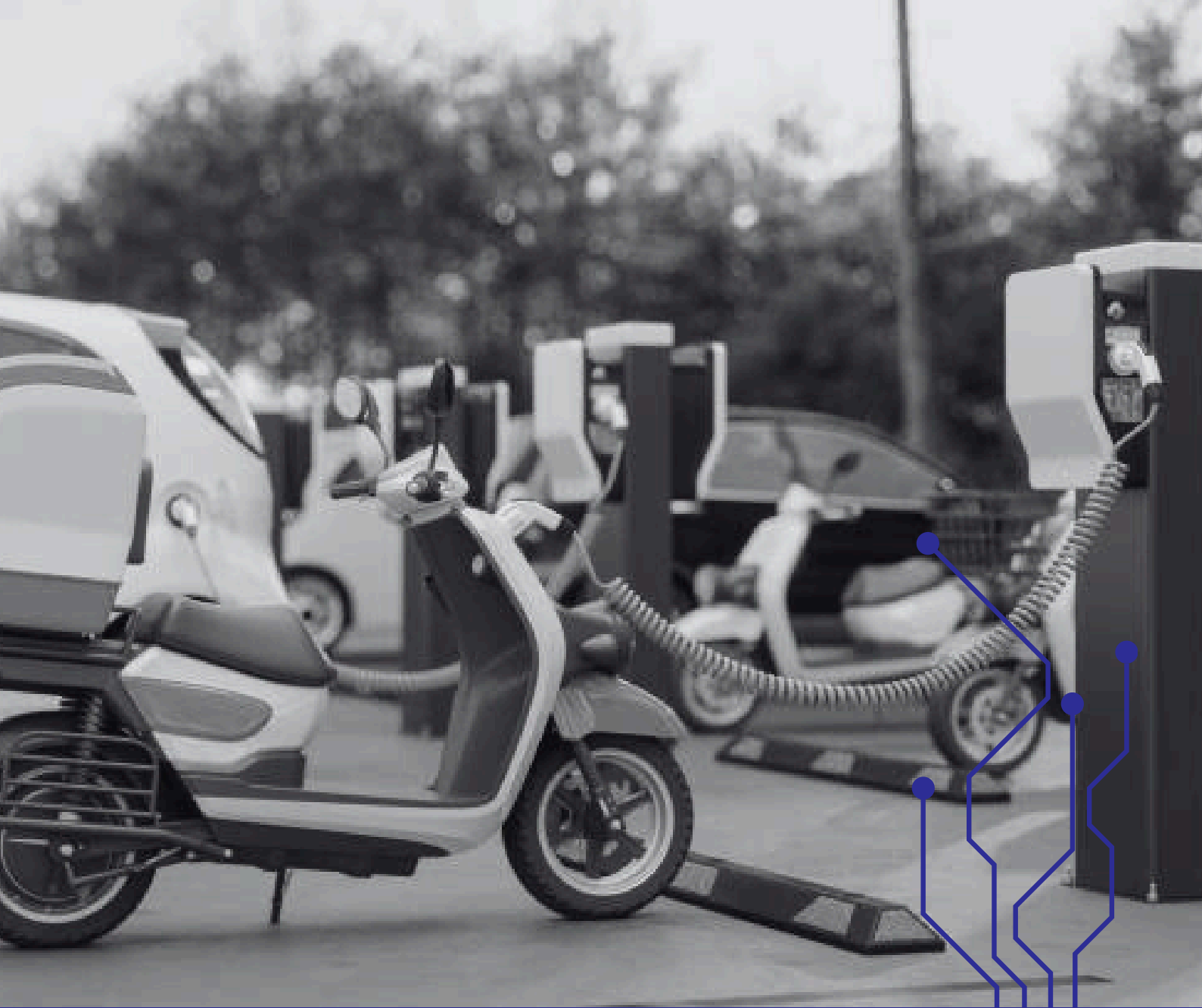
FIRE RESISTANCE

YES

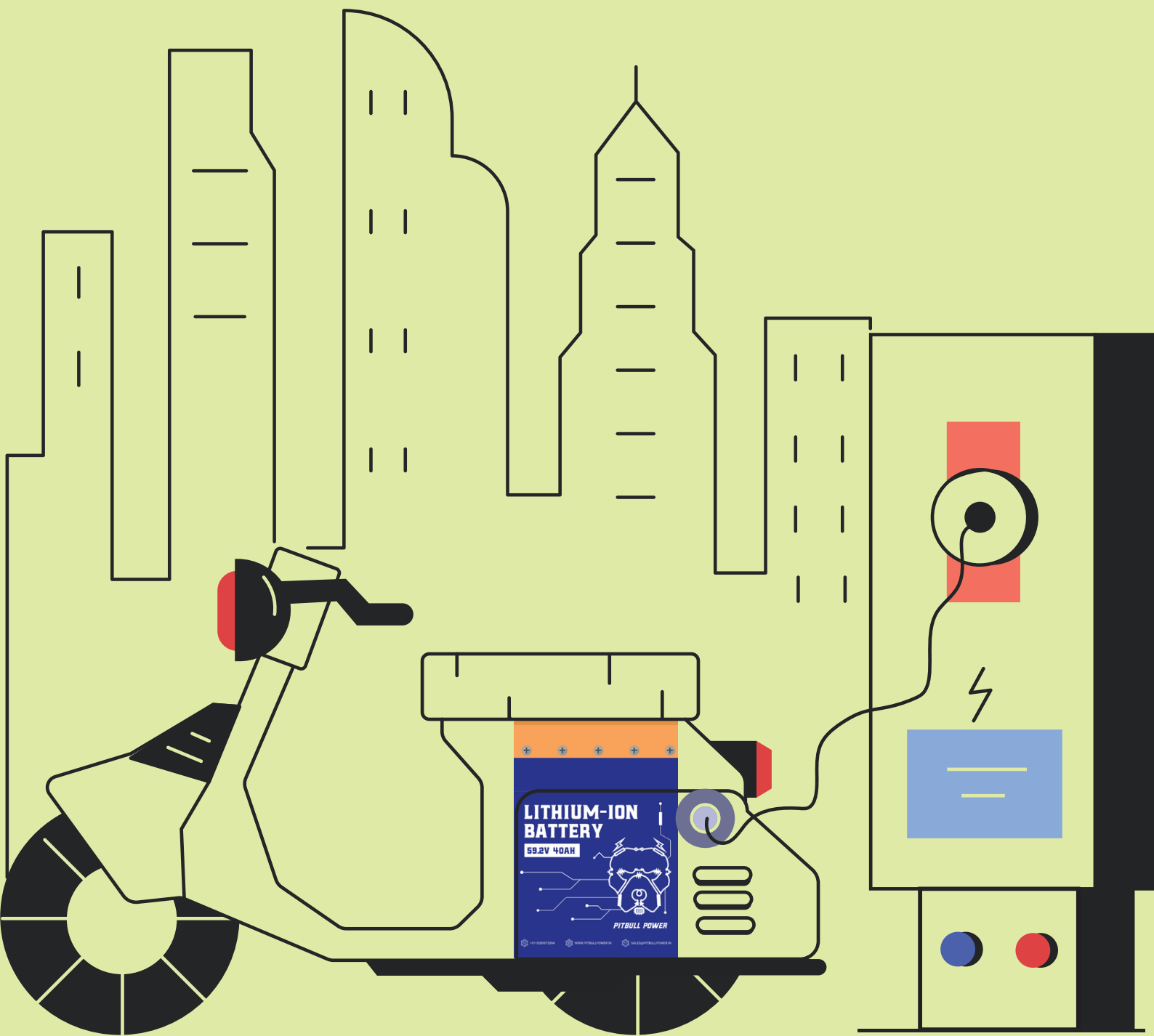


KEY FEATURES

- High Energy Density
- Long Cycle Life
- Fast Charging
- Low Self-Discharge
- Smart Battery Management



2 WHEELER BATTERY



High Energy Density



Long Cycle Life



Fast Charging



Fire Resistant



2-WHEELER LFP

PPN5940TW

* Standard as per AIS156



RATING

Voltage Ratings (Volts) : 59.2
Battery Capacity (Ah) : 40
Power Rating (kWh) : 2.368



COMMUNICATION OPTIONS

- Bluetooth
- CAN (Optional)
- UART/RS485
- IoT (Optional) - Cloud Storage, Real Time Performance Analytics, Battery Swapping Analytics, Asset Tracking, SOC Monitoring, Fleet Management



ELELCTRICAL PARAMETERS

- Operating Voltage Range (Volts) : 48.0 ~ 67.2 $\pm$ 1.0
- Maximum Charging Current : 0.5C
- Maximum Discharge Current : 1C Continuous



CELL CYCLE LIFE

≥ 1100



BMS PROTECTION

- Over-charge Protection
- Over-discharge Protection
- Over-current Protection
- Over-temperature Protection
- Short-circuit Protection
- Audio & Visual Alarm



BALANCING MODE

ACTIVE



CHARGER SPECIFICATION

- Charging Voltage (Volts) : 67.2 $\pm$ 0.5
- Charging Current (Amps) : 10.0 $\pm$ 0.5
- Charging Mode : Precharge - CC - CV
- CAN Enabled (Optional)
- LED Display (Optional)
- Earth Leakage Protection
- Reverse Polarity Protection
- Failure Sensing



OPERATING CONDITIONS

- Charging Temperature (Deg.C) : -5 ~ 55
- Discharging Temperature (Deg.C) : -10 ~ 60
- Storage Temperature (Deg.C) : 0 ~ 35



OUTPUT INTERFACE

SB 75 / SB 50



WEATHER SEALING RATING

IP67



FIRE RESISTANCE

YES



KEY FEATURES

- High Energy Density
- Long Cycle Life
- Fast Charging
- Low Self-Discharge
- Smart Battery Management



2-WHEELER LFP

PPL6030TW

* Standard as per AIS156



RATING

Voltage Ratings (Volts) : 60.8
Battery Capacity (Ah) : 30
Power Rating (kWh) : 1.824



COMMUNICATION OPTIONS

- Bluetooth
- CAN (Optional)
- UART/RS485
- IoT (Optional) - Cloud Storage, Real Time Performance Analytics, Battery Swapping Analytics, Asset Tracking, SOC Monitoring, Fleet Management



ELELCTRICAL PARAMETERS

- Operating Voltage Range (Volts) : $52.0 \sim 69.3 \pm 1.0$
- Maximum Charging Current : 0.5C
- Maximum Discharge Current : 1C Continuous



CELL CYCLE LIFE

≥ 2000



BMS PROTECTION

- Over-charge Protection
- Over-discharge Protection
- Over-current Protection
- Over-temperature Protection
- Short-circuit Protection
- Audio & Visual Alarm



BALANCING MODE

ACTIVE



CHARGER SPECIFICATION

- Charging Voltage (Volts) : 69.0 ± 0.5
- Charging Current (Amps) : 10.0 ± 0.5
- Charging Mode : Precharge - CC - CV
- CAN Enabled (Optional)
- LED Display (Optional)
- Earth Leakage Protection
- Reverse Polarity Protection
- Failure Sensing



OPERATING CONDITIONS

- Charging Temperature (Deg.C) : $-5 \sim 55$
- Discharging Temperature (Deg.C) : $-10 \sim 60$
- Storage Temperature (Deg.C) : $0 \sim 35$



WEATHER SEALING RATING

IP67



FIRE RESISTANCE

YES



KEY FEATURES

- High Energy Density
- Long Cycle Life
- Fast Charging
- Low Self-Discharge
- Smart Battery Management



2-WHEELER LFP

PPL6045TW

* Standard as per AIS156



RATING

Voltage Ratings (Volts) : 60.8
Battery Capacity (Ah) : 45
Power Rating (kWh) : 2.736



COMMUNICATION OPTIONS

- Bluetooth
- CAN (Optional)
- UART/RS485
- IoT (Optional) - Cloud Storage, Real Time Performance Analytics, Battery Swapping Analytics, Asset Tracking, SOC Monitoring, Fleet Management



ELELCTRICAL PARAMETERS

- Operating Voltage Range (Volts) : $52.0 \sim 69.3 \pm 1.0$
- Maximum Charging Current : 0.5C
- Maximum Discharge Current : 1C Continuous



CELL CYCLE LIFE

≥ 2000



BMS PROTECTION

- Over-charge Protection
- Over-discharge Protection
- Over-current Protection
- Over-temperature Protection
- Short-circuit Protection
- Audio & Visual Alarm



BALANCING MODE

ACTIVE



CHARGER SPECIFICATION

- Charging Voltage (Volts) : 69.0 ± 0.5
- Charging Current (Amps) : 10.0 ± 0.5
- Charging Mode : Precharge - CC - CV
- CAN Enabled (Optional)
- LED Display (Optional)
- Earth Leakage Protection
- Reverse Polarity Protection
- Failure Sensing



OPERATING CONDITIONS

- Charging Temperature (Deg.C) : $-5 \sim 55$
- Discharging Temperature (Deg.C) : $-10 \sim 60$
- Storage Temperature (Deg.C) : $0 \sim 35$



WEATHER SEALING RATING

IP67



FIRE RESISTANCE

YES

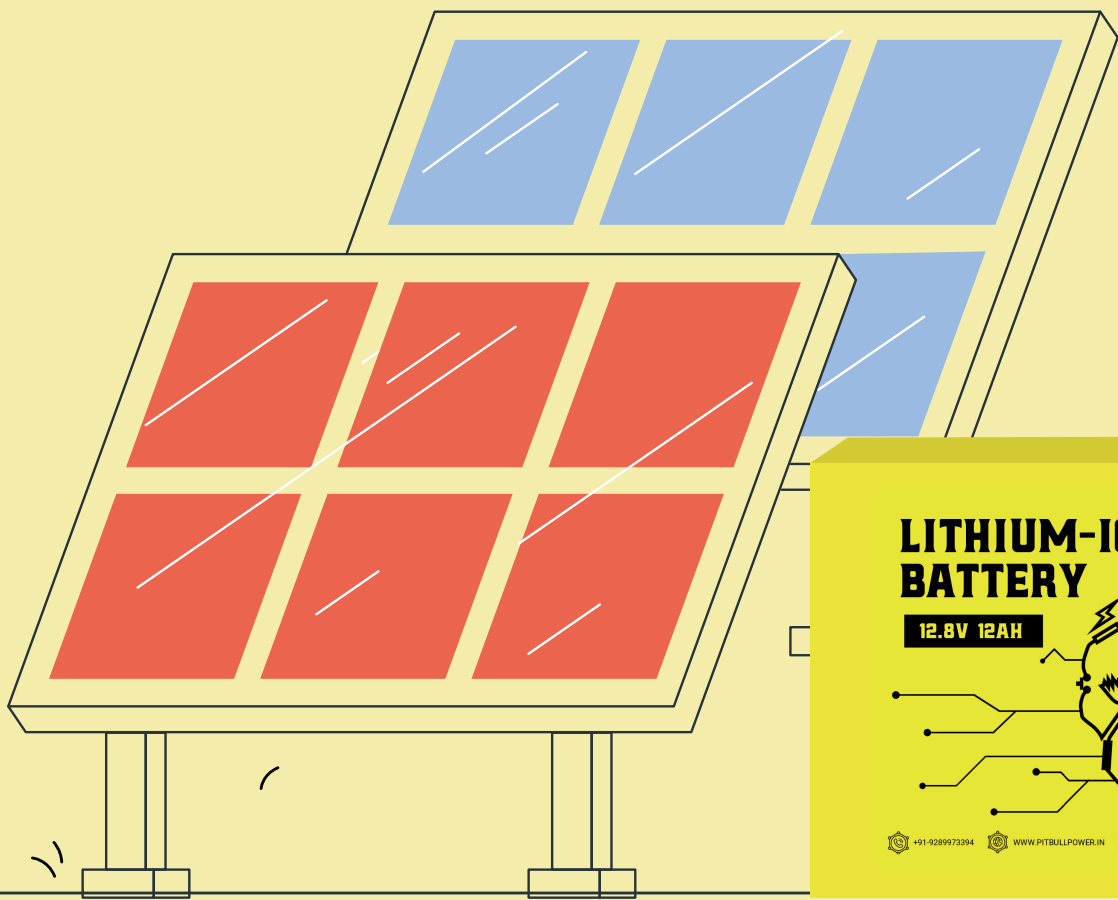
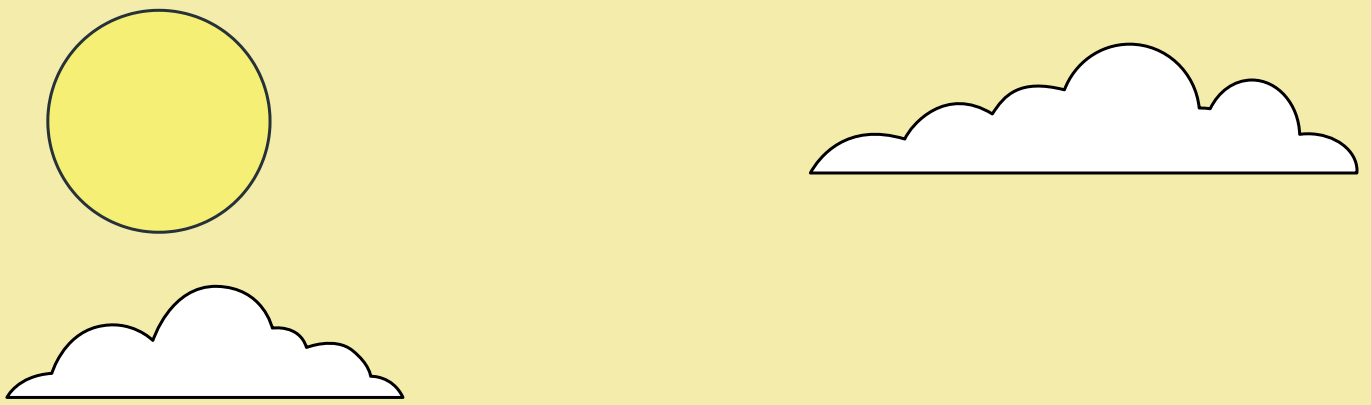


KEY FEATURES

- High Energy Density
- Long Cycle Life
- Fast Charging
- Low Self-Discharge
- Smart Battery Management



SOLAR BATTERY



High Energy Density



Long Cycle Life



Fast Charging



Fire Resistant

SOLAR BATTERY

PPL1212S

* Standard as per AIS156



RATING

Voltage Ratings (Volts) : 12.8
Battery Capacity (Ah) : 12
Power Rating (kWh) : 0.1536



ELELCTRICAL PARAMETERS

- Operating Voltage Range (Volts) : $10.5 \sim 14.6 \pm 0.5$
- Maximum Charging Current : 0.5C
- Maximum Discharge Current : 1C



CELL CYCLE LIFE

≥ 3000



BMS PROTECTION

- Over Charge Protection
- Over Discharge Protection
- Over Current Protection
- Short Circuit Protection



BALANCING MODE

ACTIVE



CHARGER SPECIFICATION

- Charging Voltage (Volts) : 14.3 ± 0.5
- Charging Current (Amps) : 5.0 ± 0.5



OPERATING CONDITIONS

- Charging Temperature (Deg.C) : $-5 \sim 55$
- Discharging Temperature (Deg.C) : $-10 \sim 60$
- Storage Temperature (Deg.C) : $0 \sim 35$



WEATHER SEALING RATING

IP67



FIRE RESISTANCE

YES



KEY FEATURES

- Advanced LiFePO₄ technology ensures safety, longevity, and reliability.
- Long cycle life minimizes replacements, offering cost savings.
- High energy density enables more storage in a compact design, perfect for tight spaces.
- Optimized for solar energy systems, improving efficiency and integration.
- Built-in BMS safeguards against overcharging, over-discharging, and short circuits.
- Durable construction provides resistance to environmental factors.



APPLICATION

- Residential and commercial solar energy storage
- Off-grid and backup power systems
- Recreational vehicles
- Marine applications

SOLAR BATTERY

PPL1218S

* Standard as per AIS156



RATING

Voltage Ratings (Volts) : 12.8
Battery Capacity (Ah) : 12
Power Rating (kWh) : 0.2304



ELELCTRICAL PARAMETERS

- Operating Voltage Range (Volts) : $10.5 \sim 14.6 \pm 0.5$
- Maximum Charging Current : 0.5C
- Maximum Discharge Current : 1C



CELL CYCLE LIFE

≥ 3000



BMS PROTECTION

- Over Charge Protection
- Over Discharge Protection
- Over Current Protection
- Short Circuit Protection



BALANCING MODE

ACTIVE



CHARGER SPECIFICATION

- Charging Voltage (Volts) : 14.3 ± 0.5
- Charging Current (Amps) : 5.0 ± 0.5



OPERATING CONDITIONS

- Charging Temperature (Deg.C) : $-5 \sim 55$
- Discharging Temperature (Deg.C) : $-10 \sim 60$
- Storage Temperature (Deg.C) : $0 \sim 35$



WEATHER SEALING RATING

IP67



FIRE RESISTANCE

YES



KEY FEATURES

- Advanced LiFePO₄ technology ensures safety, longevity, and reliability.
- Long cycle life minimizes replacements, offering cost savings.
- High energy density enables more storage in a compact design, perfect for tight spaces.
- Optimized for solar energy systems, improving efficiency and integration.
- Built-in BMS safeguards against overcharging, over-discharging, and short circuits.
- Durable construction provides resistance to environmental factors.



APPLICATION

- Residential and commercial solar energy storage
- Off-grid and backup power systems
- Recreational vehicles
- Marine applications

SOLAR BATTERY

PPL1224S

* Standard as per AIS156



RATING

Voltage Ratings (Volts) : 12.8
Battery Capacity (Ah) : 24
Power Rating (kWh) : 0.3072



ELELCTRICAL PARAMETERS

- Operating Voltage Range (Volts) : $10.5 \sim 14.6 \pm 0.5$
- Maximum Charging Current : 0.5C
- Maximum Discharge Current : 1C



CELL CYCLE LIFE

≥ 3000



BMS PROTECTION

- Over Charge Protection
- Over Discharge Protection
- Over Current Protection
- Short Circuit Protection



BALANCING MODE

ACTIVE



CHARGER SPECIFICATION

- Charging Voltage (Volts) : 14.3 ± 0.5
- Charging Current (Amps) : 8.0 ± 0.5



OPERATING CONDITIONS

- Charging Temperature (Deg.C) : $-5 \sim 55$
- Discharging Temperature (Deg.C) : $-10 \sim 60$
- Storage Temperature (Deg.C) : $0 \sim 35$



WEATHER SEALING RATING

IP67



FIRE RESISTANCE

YES



KEY FEATURES

- Advanced LiFePO₄ technology ensures safety, longevity, and reliability.
- Long cycle life minimizes replacements, offering cost savings.
- High energy density enables more storage in a compact design, perfect for tight spaces.
- Optimized for solar energy systems, improving efficiency and integration.
- Built-in BMS safeguards against overcharging, over-discharging, and short circuits.
- Durable construction provides resistance to environmental factors.



APPLICATION

- Residential and commercial solar energy storage
- Off-grid and backup power systems
- Recreational vehicles
- Marine applications

SOLAR BATTERY

PPL1230S

* Standard as per AIS156



RATING

Voltage Ratings (Volts) : 12.8
Battery Capacity (Ah) : 30
Power Rating (kWh) : 0.384



ELELCTRICAL PARAMETERS

- Operating Voltage Range (Volts) : $10.5 \sim 14.6 \pm 0.5$
- Maximum Charging Current : 0.5C
- Maximum Discharge Current : 1C



CELL CYCLE LIFE

≥ 3000



BMS PROTECTION

- Over Charge Protection
- Over Discharge Protection
- Over Current Protection
- Short Circuit Protection



BALANCING MODE

ACTIVE



CHARGER SPECIFICATION

- Charging Voltage (Volts) : 14.3 ± 0.5
- Charging Current (Amps) : 10.0 ± 0.5



OPERATING CONDITIONS

- Charging Temperature (Deg.C) : $-5 \sim 55$
- Discharging Temperature (Deg.C) : $-10 \sim 60$
- Storage Temperature (Deg.C) : $0 \sim 35$



WEATHER SEALING RATING

IP67



FIRE RESISTANCE

YES



KEY FEATURES

- Advanced LiFePO₄ technology ensures safety, longevity, and reliability.
- Long cycle life minimizes replacements, offering cost savings.
- High energy density enables more storage in a compact design, perfect for tight spaces.
- Optimized for solar energy systems, improving efficiency and integration.
- Built-in BMS safeguards against overcharging, over-discharging, and short circuits.
- Durable construction provides resistance to environmental factors.



APPLICATION

- Residential and commercial solar energy storage
- Off-grid and backup power systems
- Recreational vehicles
- Marine applications

SOLAR BATTERY

PPL1245S

* Standard as per AIS156



RATING

Voltage Ratings (Volts) : 12.8
Battery Capacity (Ah) : 45
Power Rating (kWh) : 0.576



ELELCTRICAL PARAMETERS

- Operating Voltage Range (Volts) : $10.5 \sim 14.6 \pm 0.5$
- Maximum Charging Current : 0.5C
- Maximum Discharge Current : 1C



CELL CYCLE LIFE

≥ 3000



BMS PROTECTION

- Over Charge Protection
- Over Discharge Protection
- Over Current Protection
- Short Circuit Protection



BALANCING MODE

ACTIVE



CHARGER SPECIFICATION

- Charging Voltage (Volts) : 14.3 ± 0.5
- Charging Current (Amps) : 10.0 ± 0.5



OPERATING CONDITIONS

- Charging Temperature (Deg.C) : $-5 \sim 55$
- Discharging Temperature (Deg.C) : $-10 \sim 60$
- Storage Temperature (Deg.C) : $0 \sim 35$



WEATHER SEALING RATING

IP67



FIRE RESISTANCE

YES



KEY FEATURES

- Advanced LiFePO₄ technology ensures safety, longevity, and reliability.
- Long cycle life minimizes replacements, offering cost savings.
- High energy density enables more storage in a compact design, perfect for tight spaces.
- Optimized for solar energy systems, improving efficiency and integration.
- Built-in BMS safeguards against overcharging, over-discharging, and short circuits.
- Durable construction provides resistance to environmental factors.



APPLICATION

- Residential and commercial solar energy storage
- Off-grid and backup power systems
- Recreational vehicles
- Marine applications

SOLAR BATTERY

PPL12100S

* Standard as per AIS156



RATING

Voltage Ratings (Volts) : 12.8
Battery Capacity (Ah) : 100
Power Rating (kWh) : 1.28



ELELCTRICAL PARAMETERS

- Operating Voltage Range (Volts) : $10.5 \sim 14.6 \pm 0.5$
- Maximum Charging Current : 0.5C
- Maximum Discharge Current : 1C



CELL CYCLE LIFE

≥ 3000



BMS PROTECTION

- Over Charge Protection
- Over Discharge Protection
- Over Current Protection
- Short Circuit Protection



BALANCING MODE

ACTIVE



CHARGER SPECIFICATION

- Charging Voltage (Volts) : 14.3 ± 0.5
- Charging Current (Amps) : 20.0 ± 1.0



OPERATING CONDITIONS

- Charging Temperature (Deg.C) : $-5 \sim 55$
- Discharging Temperature (Deg.C) : $-10 \sim 60$
- Storage Temperature (Deg.C) : $0 \sim 35$



WEATHER SEALING RATING

IP67



FIRE RESISTANCE

YES



KEY FEATURES

- Advanced LiFePO₄ technology ensures safety, longevity, and reliability.
- Long cycle life minimizes replacements, offering cost savings.
- High energy density enables more storage in a compact design, perfect for tight spaces.
- Optimized for solar energy systems, improving efficiency and integration.
- Built-in BMS safeguards against overcharging, over-discharging, and short circuits.
- Durable construction provides resistance to environmental factors.



APPLICATION

- Residential and commercial solar energy storage
- Off-grid and backup power systems
- Recreational vehicles
- Marine applications

SOLAR BATTERY

PPL2430S

* Standard as per AIS156



RATING

Voltage Ratings (Volts) : 25.6
Battery Capacity (Ah) : 30
Power Rating (kWh) : 0.768



ELELCTRICAL PARAMETERS

- Operating Voltage Range (Volts) : $20.8 \sim 29.2 \pm 0.5$
- Maximum Charging Current : 0.5C
- Maximum Discharge Current : 1C



CELL CYCLE LIFE

≥ 3000



BMS PROTECTION

- Over Charge Protection
- Over Discharge Protection
- Over Current Protection
- Short Circuit Protection



BALANCING MODE

ACTIVE



CHARGER SPECIFICATION

- Charging Voltage (Volts) : 29.0 ± 0.5
- Charging Current (Amps) : 10.0 ± 0.5



OPERATING CONDITIONS

- Charging Temperature (Deg.C) : $-5 \sim 55$
- Discharging Temperature (Deg.C) : $-10 \sim 60$
- Storage Temperature (Deg.C) : $0 \sim 35$



WEATHER SEALING RATING

IP67



FIRE RESISTANCE

YES



KEY FEATURES

- Advanced LiFePO₄ technology ensures safety, longevity, and reliability.
- Long cycle life minimizes replacements, offering cost savings.
- High energy density enables more storage in a compact design, perfect for tight spaces.
- Optimized for solar energy systems, improving efficiency and integration.
- Built-in BMS safeguards against overcharging, over-discharging, and short circuits.
- Durable construction provides resistance to environmental factors.



APPLICATION

- Residential and commercial solar energy storage
- Off-grid and backup power systems
- Recreational vehicles
- Marine applications

SOLAR BATTERY

PPL2460S

* Standard as per AIS156



RATING

Voltage Ratings (Volts) : 25.6
Battery Capacity (Ah) : 60
Power Rating (kWh) : 1.536



ELELCTRICAL PARAMETERS

- Operating Voltage Range (Volts) : $20.8 \sim 29.2 \pm 0.5$
- Maximum Charging Current : 0.5C
- Maximum Discharge Current : 1C



CELL CYCLE LIFE

≥ 3000



BMS PROTECTION

- Over Charge Protection
- Over Discharge Protection
- Over Current Protection
- Short Circuit Protection



BALANCING MODE

ACTIVE



CHARGER SPECIFICATION

- Charging Voltage (Volts) : 29.0 ± 0.5
- Charging Current (Amps) : 10.0 ± 0.5



OPERATING CONDITIONS

- Charging Temperature (Deg.C) : $-5 \sim 55$
- Discharging Temperature (Deg.C) : $-10 \sim 60$
- Storage Temperature (Deg.C) : $0 \sim 35$



WEATHER SEALING RATING

IP67



FIRE RESISTANCE

YES



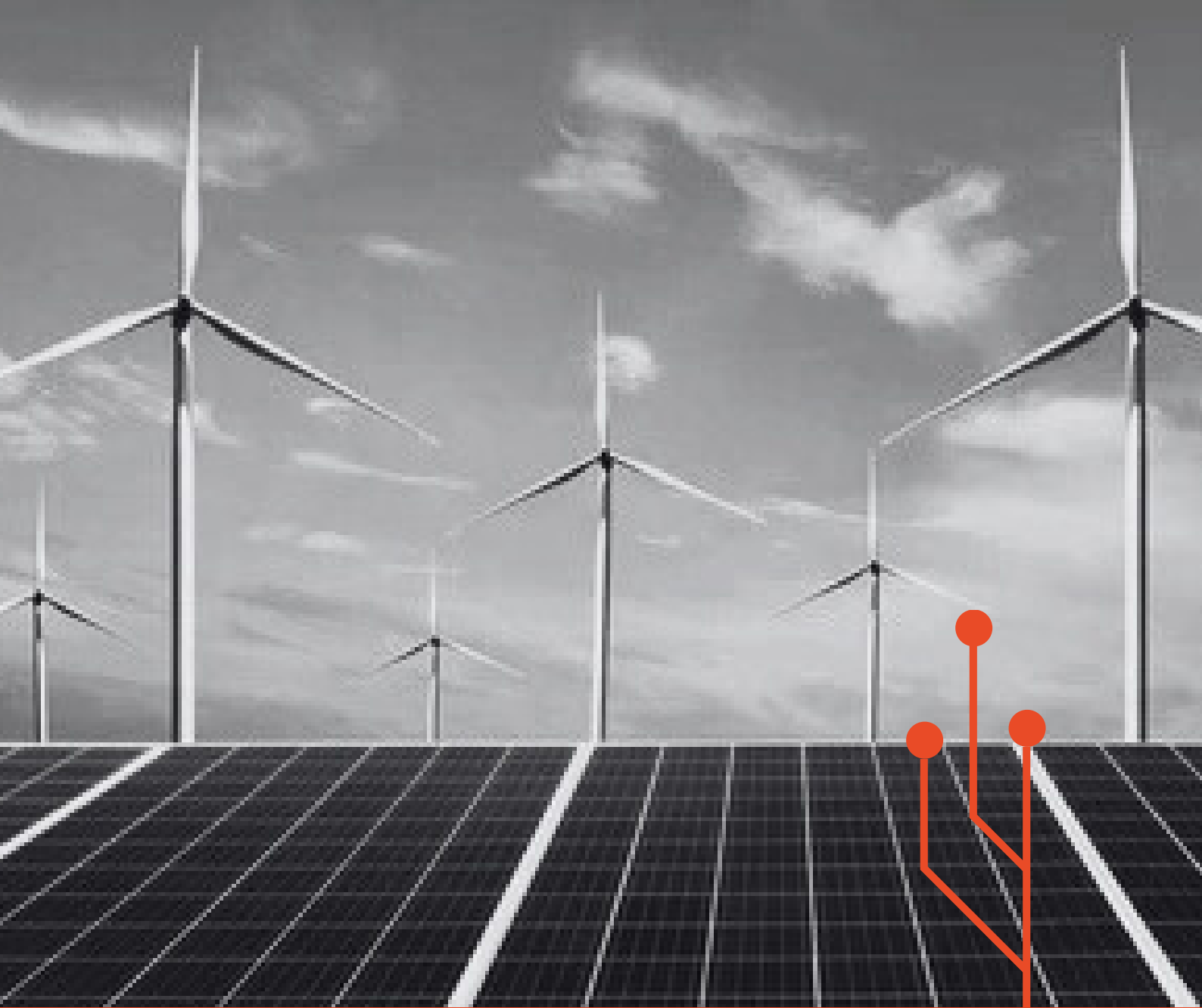
KEY FEATURES

- Advanced LiFePO₄ technology ensures safety, longevity, and reliability.
- Long cycle life minimizes replacements, offering cost savings.
- High energy density enables more storage in a compact design, perfect for tight spaces.
- Optimized for solar energy systems, improving efficiency and integration.
- Built-in BMS safeguards against overcharging, over-discharging, and short circuits.
- Durable construction provides resistance to environmental factors.

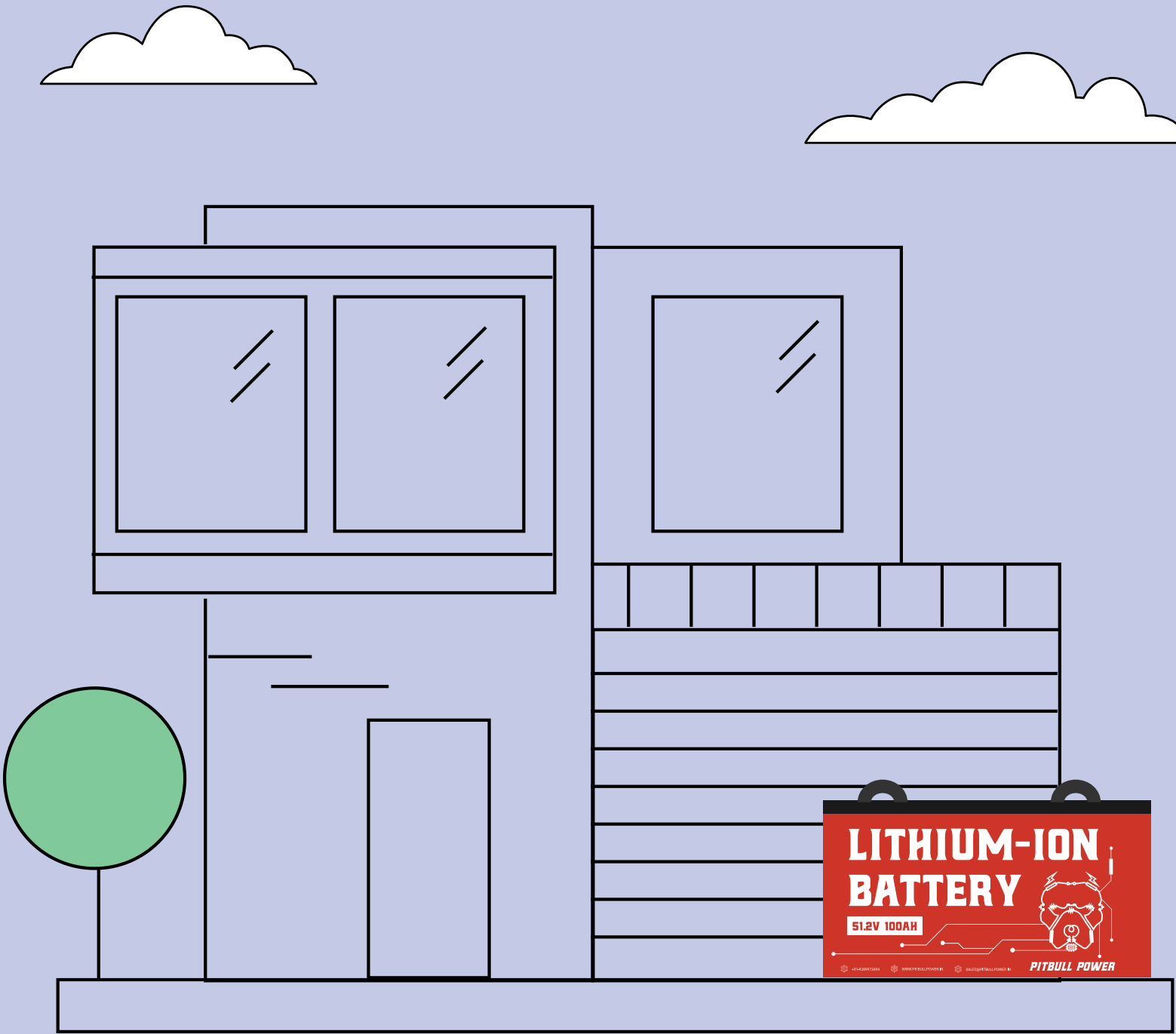


APPLICATION

- Residential and commercial solar energy storage
- Off-grid and backup power systems
- Recreational vehicles
- Marine applications



ENERGY STORAGE SYSTEM



High Energy Density



Long Cycle Life



Fast Charging



Fire Resistant



ENERGY STORAGE SYSTEM

PPL48100ESS

* Standard as per AIS156



NOMINAL VOLTAGE

48V



CAPACITY

100Ah



LIFE CYCLE (@80% DOD)

≥2000 Cycles



CUT-OFF VOLTAGE (DISCHARGE)

41.0V



CUT-OFF VOLTAGE (CHARGE)

54.75V



MATERIAL

LiFePO4



RECOMMEND CHARGE CURRENT

20A ~ 50A



MAX. CONTINUOUS CHARGE CURRENT

50A



MAX. CONTINUOUS DISCHARGE CURRENT

100A (Peak: 120A, @<10s)



OPERATION TEMPERATURE

- Charge (Deg.C) : 0 ~ 55
- Discharge (Deg.C) : -20 ~ 65
- Storage (Deg.C) : 0 ~ 45



COMMUNICATION

RS485
CAN (Optional)



ENCLOSURE

Metal (Powder Coated)



WEIGHT

Approx.: 48Kg



DIMENSION (LXWXH)

483x496x178mm(±2mm)



TYPE

19" Rack System



CIRCUIT BREAKER

Optional



DISPLAY SCREEN

Yes



WARRANTY

4 Years



SYSTEM STORAGE

PPL48200ESS

* Standard as per AIS156



NOMINAL VOLTAGE

48V



CAPACITY

200Ah



LIFE CYCLE (@80% DOD)

≥2000 Cycles



CUT-OFF VOLTAGE (DISCHARGE)

41.0V



CUT-OFF VOLTAGE (CHARGE)

54.75V



MATERIAL

LiFePO4



RECOMMEND CHARGE CURRENT

40A~100A



MAX. CONTINUOUS CHARGE CURRENT

100A



MAX. CONTINUOUS DISCHARGE CURRENT

200A (Peak: 220A, @<10s)



OPERATION TEMPERATURE

- Charge (Deg.C) : 0 ~ 55
- Discharge (Deg.C) : -20 ~ 65
- Storage (Deg.C) : 0 ~ 45



COMMUNICATION

RS485
CAN (Optional)



ENCLOSURE

Metal (Powder Coated)



WEIGHT

Approx.: 90Kg



DIMENSION (LXWXH)

483x565x266mm(±2mm)



TYPE

19" Rack System



CIRCUIT BREAKER

Optional



DISPLAY SCREEN

Yes

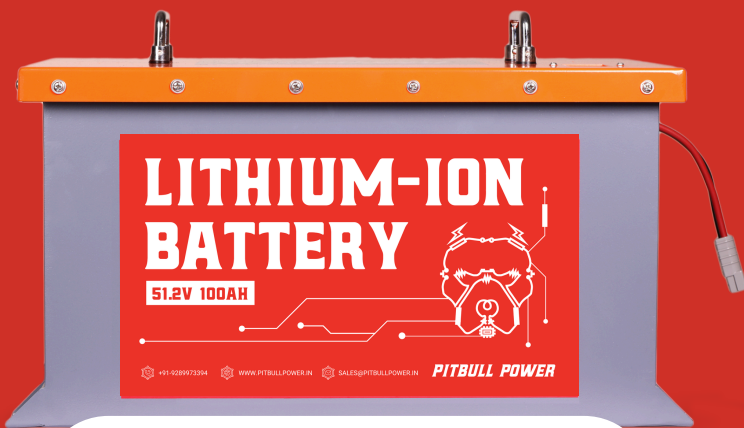


WARRANTY

4 Years

CUSTOMISATION

We can customise and produce for you!



E-RIKSHAW BATTERY



2-WHEELER BATTERY



SOLAR BATTERY



ENERGY STORAGE SYSTEM



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