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## M & E GRACE TRADING ENTERPRISE

Portable power supply  Convenient and surging

Exploring Future Development Strategies for Engineering Electricity Use

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# CONVENIENT AND SURGING WITH PORTABLE POWER SUPPLY EXPLORING FUTURE DEVELOPMENT STRATEGIES FOR ENGINEERING ELECTRICITY USE

The engineering power supply combines portability and strong adaptability, with a built-in mobile roller, making it easy to shuttle through various work sites; High power output can simultaneously meet the electrical needs of various tools such as angle grinders and gas cutting machines, perfectly adapting to diverse scenarios such as maintenance, installation, and municipal construction. It is compatible with the vast majority of industrial equipment and meets export standards.

Engineering power supply can effectively simplify the operation process, without the need for complicated wiring and equipment debugging. It can be put into use immediately after startup, greatly reducing preparation time; The stable and continuous power supply capability avoids the troubles of frequent battery changes and power outages, ensures the continuity of operations, and achieves cost reduction and efficiency improvement from both time and equipment losses. It is a reliable power partner for industrial operations.

## Traditional pain points in the presence of electricity

**Power Distribution Box**

1. Large quantity, low utilization rate;
2. Frequent connections result in low efficiency;
3. Long management cycle and high difficulty;
4. Randomly pulling and connecting, with significant hidden dangers of violations.

**Diesel generator**

1. High fuel consumption costs;
2. There is a lot of noise during use;
3. Intermittent idle waste;
4. Regular maintenance is required, which is tedious.

## Advantages of Engineering Mobile Power Supply

**Improve work efficiency**

1. No need to frequently power on or fly wires;
2. Concerns about power outages and work delays;
3. No concerns about inspection or rectification;
4. Fixed point charging without management pressure;

**Cost reduction**

1. Electrician costs (personnel reduction)
2. Equipment cost (distribution box, switch box)
3. Rectification and punishment (safety inspection)

**Electrical safety**

1. Wireless construction
2. Potential hazards at the source of the electrica box.

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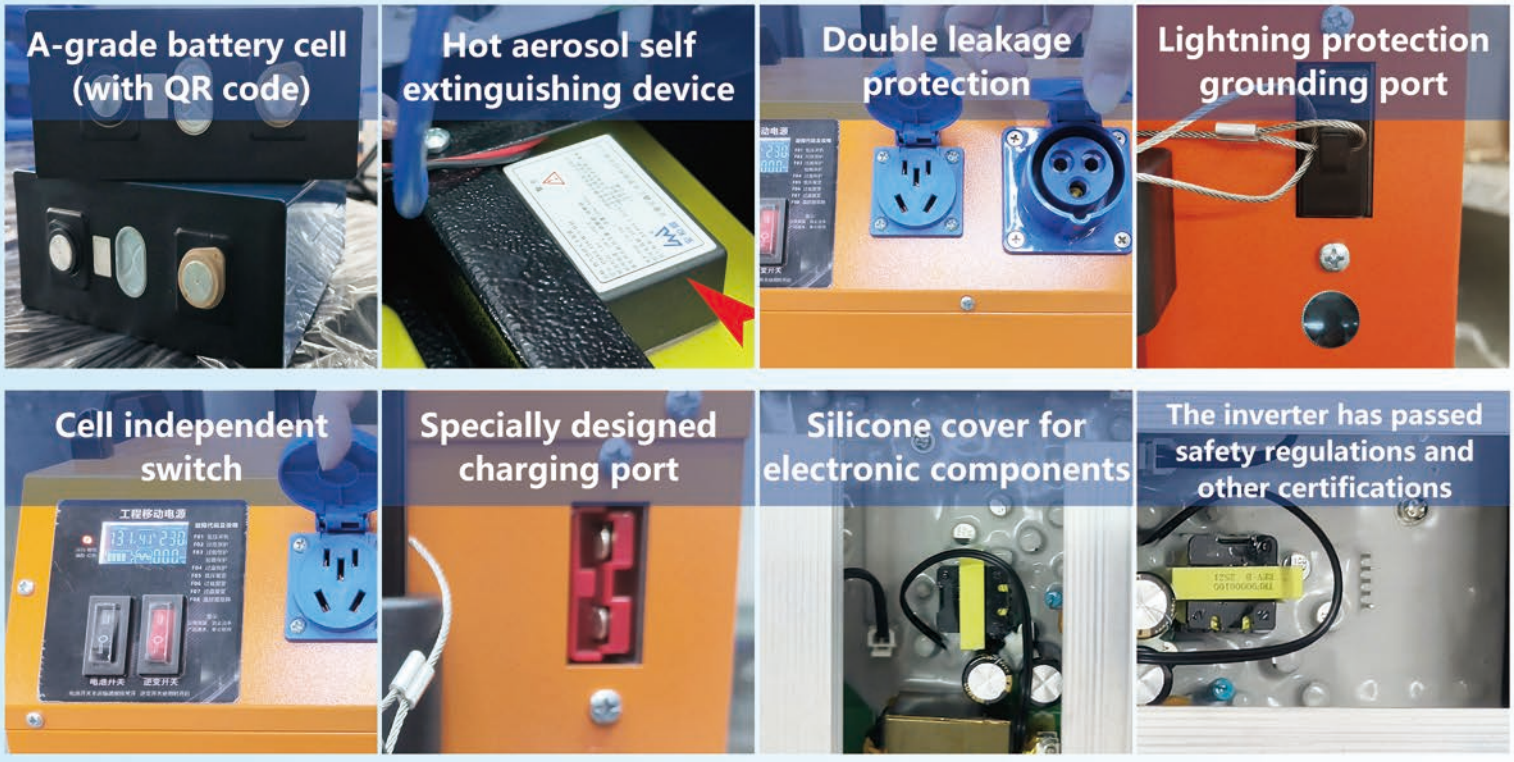
## Business Qualification


## Product advantages



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## SUITABLE FOR VARIOUS TYPES OF CONSTRUCTION EQUIPMENT WITH 220V AND 380V

### SMALL MACHINERY

air compressor

electric pick

electric welding

electric welding

electric hand drill

cutting machine

### LARGE MECHANICAL EQUIPMENT

cutting machine

cutting machine

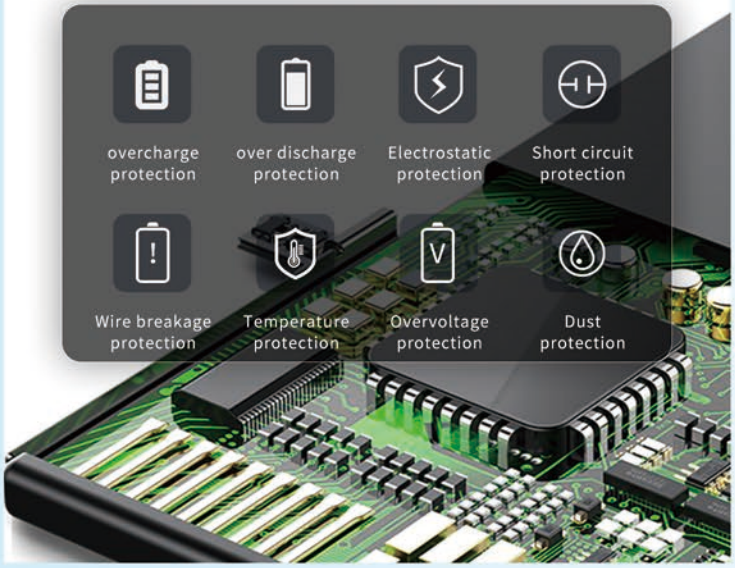
Sand blasting machine

Hot melt machine

push bench

blower

## COMMUNICATION PURE SINE WAVE OUTPUT BMS INTELLIGENT MANAGEMENT SYSTEM




## BUILT IN AEROSOL FIRE EXTINGUISHER AUTOMATIC SENSING AND PROACTIVE PREVENTION

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VS

## DIESEL GENERATOR

## ENGINEERING MOBILE POWER BANK WL-35

| | | |
|---|---|---|
| When the load changes, the speed is prone to fluctuation and instability | CORE | More stable output with sufficient capacity and a lifespan of up to 5 years |
| Working for 8 hours requires 4 liters of diesel, which costs approximately 32 RMB | COST | Working 8 hours a day only costs 4 RMB |
| The noise and vibration generated during operation are significant | NOISE | Silent operation during operation |
| Causing significant harm to the environment | EP | Clean energy is sufficient for environmental protection |

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## WL-30/WL-35

| | |
|---|---|
| Capacity | 3KWH/4KWH |
| Rated power | 3.5KW |
| cell type | LFP |
| Inverter | puresine wave |
| Output | 220V/AC |
| Shell material | metal |

- Customizable according to needs
- Exportable overseas

**Vehicle grade battery cells have longer endurance**
**Built in aerosol fire extinguishers are safer**

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## WL-60/WL-80

| | |
|---|---|
| Capacity | 6KWH/8KWH |
| Rated power | 5KW |
| cell type | LFP |
| Inverter | puresine wave |
| Output | 220V/AC |
| Shell material | metal |

- Customizable according to needs
- Exportable overseas

**Vehicle grade battery cells have longer endurance**
**Built in aerosol fire extinguishers are safer**

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## WL-110/WL-150

| | |
|---|---|
| Capacity | 11KWH/15KWH |
| Rated power | 10KW |
| cell type | LFP |
| Inverter | puresine wave |
| Output | 220V/380V |
| Shell material | metal |

- Customizable according to needs
- Exportable overseas

**Vehicle grade battery cells have longer endurance**
**Built in aerosol fire extinguishers are safer**

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## Engineering battery swapping power supply 220V split power supply

| | |
|---|---|
| Rated capacity | 5.4KWH (single) |
| Rated power | 6.5KW |
| AC voltage | 220V(16A*3) |
| Frequency | 50Hz(+5Hz) |
| Cell material | LFP |
| Protection | Aerosol |
| Charge | Mains electricity |

**Quick and convenient**
**Not delaying work**

Equipped with GPS module, supporting positioning and tracking.
Configure lighting function to meet the needs of night work.
Battery swapping function: When the first set of battery packs (2) is depleted, simply replace the second set of battery packs (2).

## Engineering battery swapping power supply 380V split power supply

| | |
|---|---|
| Rated capacity | 5.4KWH (single) |
| Rated power | 19.5KW |
| AC voltage | 220V/380V |
| Frequency | 50Hz(+5Hz) |
| Cell material | LFP |
| Protection | Aerosol |
| Charge | Mains electricity |

**Quick and convenient**
**Not delaying work**

Equipped with GPS module, supporting positioning and tracking.
Configure lighting function to meet the needs of night work.
Battery swapping function: When the first set of battery packs (3) is depleted, simply replace the second set of battery packs (3).

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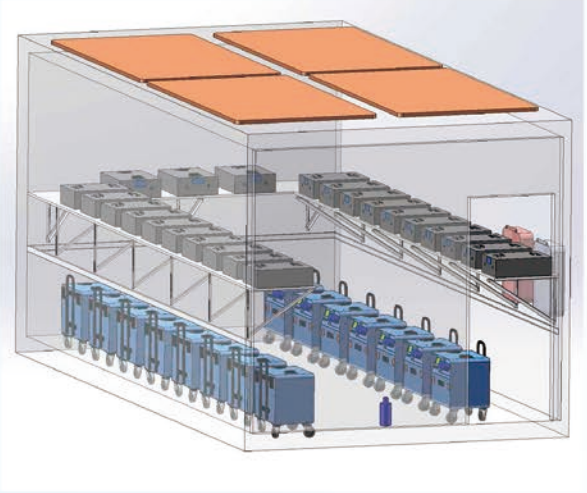
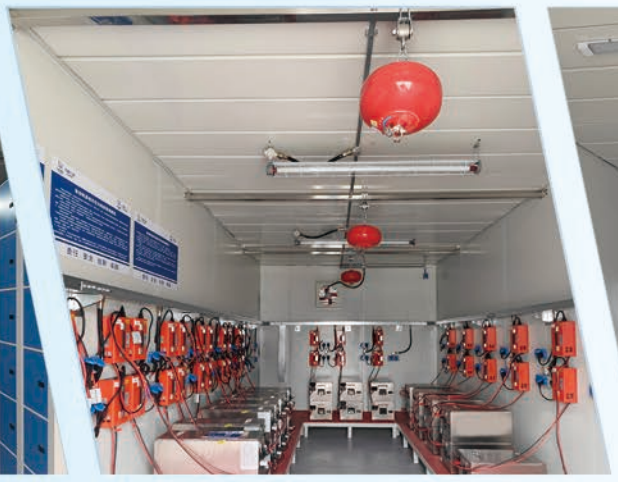
# Intelligent charging room for engineering battery swapping power supply

The intelligent charging room for engineering power supply adopts a containerized integrated design to achieve centralized management and unified charging of batteries; Multiple safety protection devices such as explosion-proof air conditioning, suspended dry powder fire extinguishers, and handheld fire extinguishers are installed in the room to fully ensure charging safety; A single standard container can simultaneously meet the charging needs of multiple battery packs.



## Intelligent Charging Room for Engineering Power Supply

In the planning and design stage of the charging room, both the convenience of charging and the need for unified management are taken into account, and fire safety is placed at the core. The room is equipped with standard fire-fighting facilities such as suspended dry powder fire extinguishers and portable fire extinguishers, and all equipment and tools are designed with explosion-proof technology to fully meet safety regulations.



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## Engineering power supply: WL-350

| | |
|---|---|
| capacity | 35KWH |
| rated power | 30KW |
| cell type | LFP |
| inverter | puresine wave |
| output | 220V/380V |
| size | 122*74*90CM |
| weight | 475KG |

*WL-350*

*WL-350 Track style*

**Vehicle grade battery cells have longer endurance**
**Built in aerosol fire extinguishers are safer**

*Wireless flexible electricity usage*

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