

UE-12Li320-BA

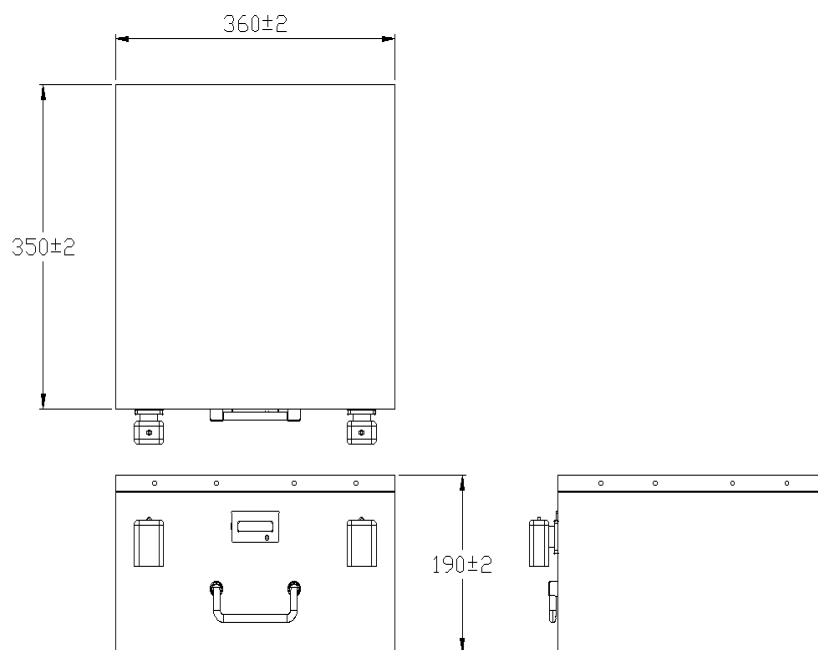
Safe and Efficient LFP (LiFePO₄)
Battery Solution 12.8V 320Ah

FEATURES

- Safest Lithium Battery Technology
- Lighter Weight
- Eco-friendly
- Longer Life
- Multiple Safety Protection
- Intelligent Balancing Function
- 20 Years Designed Service Life



SIZE



UE-12LI320-BA

Upower

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| | |
|---------------------|---------------|
| Internal resistance | <10mΩ |
| Charge Temp | 0°C to 55°C |
| Discharge Temp | -20°C to 60°C |
| Storage Temperature | -5°C to 35°C |
| Bluetooth function | Yes |
| Display screen | LCD |

CONSTANT CURRENT DISCHARGE DATA (AMPERES @ 25°C)

| Discharge Time | 1.6h | 3h | 4h | 5h | 8h | 10h | 20h |
|-------------------------|------|------|-----|-----|-----|-----|-----|
| Cut off voltage (10.0V) | 200A | 106A | 80A | 64A | 40A | 32A | 16A |

CONSTANT POWER DISCHARGE DATA (WATTS @ 25°C)

| Discharge Time | 1.6h | 3h | 4h | 5h | 8h | 10h | 20h |
|-------------------------|-------|-------|-------|---------|------|--------|--------|
| Cut off voltage (10.0V) | 2560W | 1365W | 1024W | 819.2 W | 512W | 409.6W | 204.8W |

CERTIFICATIONS

CELL UN38.3

BATTERY UN38.3

TRANSPORT APPRAISAL UN3480, CLASS 9

UE-12LI320-BA

U_{power}

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PERFORMANCE

| | |
|---------------------------------|-------------------------------|
| Cell | Square LFP 320Ah |
| Terminal | M8 |
| IP Grade | IP21 |
| Self Discharge | <=2%/Month |
| Cycle Life | 4000times (100%DOD,0.5C/0.5C) |
| Rated Charge Current | 100A |
| Max. Charge Current | 200A |
| Rated Charge Voltage | 13.6~13.8 V |
| Charge Cut-off Voltage | 14.6V |
| Balancing Voltage | >13.6V |
| Rated Discharge Current | 100A |
| Max. Discharge Current | 200A |
| Rated Discharge Cut-off Voltage | 11.2V |
| Min. Discharge Cut-off Voltage | >10V |
| Communication function | Bluetooth |

PERFORMANCE PARAMETERS

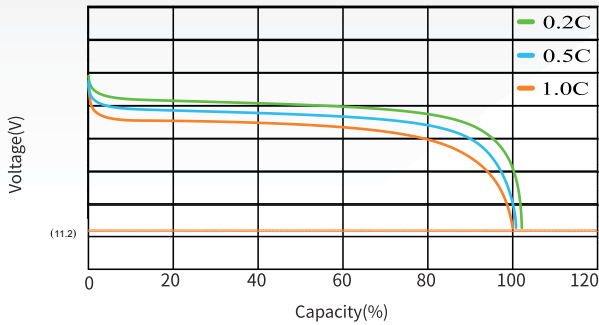
| | |
|-----------------|---------------------|
| Capacity | 320Ah (0.5C@25 °C) |
| Nominal Voltage | 12.8V |
| Energy | 4096Wh |
| Weight | 29.0kg |
| Dimensions | 360*350*190 mm |

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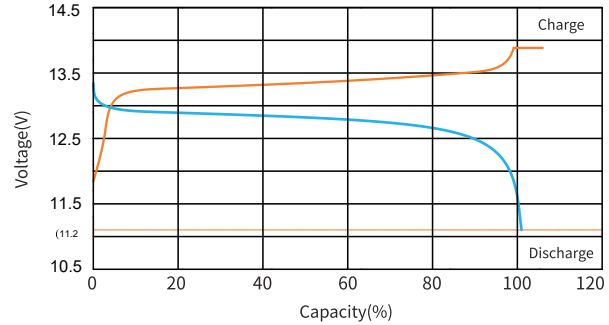
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CHARACTERISTICS CURVE

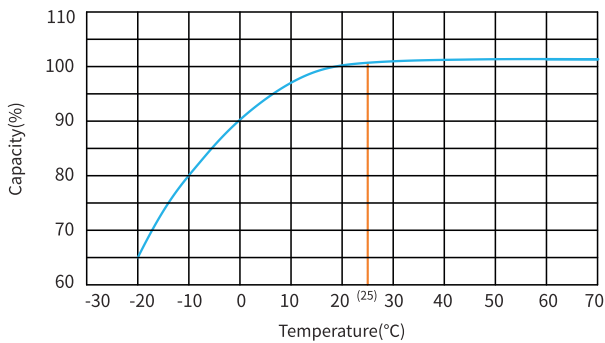
Discharge Performance at 25°C



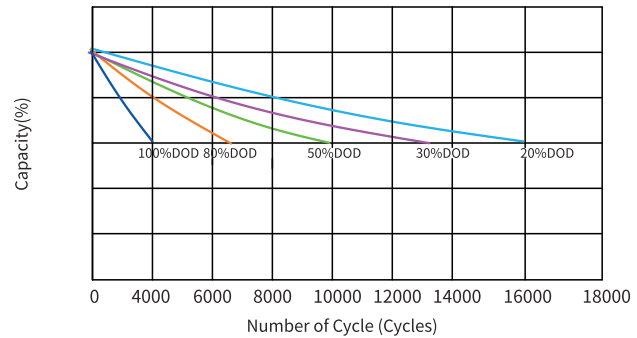
Charge and Discharge at 25°C, 0.5C



Temperature Effects on Capacity at 0.5C



Cycle Life with DOD at 25°C
0.5C Discharge and 0.5C Charge



CAUTIONS

1. Do NOT short circuit, crush or disassemble. Do NOT heat or incinerate. Do NOT immerse in any liquid.
2. Store at 50% capacity. Recharge every 3 months. The storage area should be clean, cool, dry and ventilated.
3. Disconnect charging source prior to connecting or disconnecting battery terminals.
4. Do not dispose of batteries in a fire as they can explode.
5. Do not open, alter, or mutilate batteries. Released electrolyte is harmful to skin and eyes. It may be toxic.
6. Do not mix different types and brands of lithium-ion batteries.
7. Do not dispose in trash, follow local regulations and manufacturer's instruction.
8. See installation instructions before connecting to the supply.
9. The battery cabinet receives power from more than one source. Disconnection of all DC sources is required to De-energize this unit before installing or servicing. Wait 5 minutes before opening the unit.

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10. Do not install on or over combustible surfaces.
11. Refer to manual before servicing.
12. Do not touch bare terminals.