

12V LiFePO4 Battery (SLA Replacement Battery)

Lithium iron phosphate batteries - LiFePO4

Rechargeable lithium ion batteries of new technologies

Lightweight Lithium Iron Phosphate existing in standard cases of sealed lead acid batteries.

Currently available in these models:

- 6V - 4Ah
- 12V - 7.5 Ah
- 12V - 12Ah
- 12V - 17Ah
- 12V - 20Ah
- 12V - 33Ah
- 12V - 40Ah
- 12V - 60Ah



- Other possibilities on specification

| LiFePO4 | Nominal Capacity | Nominal Voltage | Nominal Energy | Fast discharge | Fastcharge current | L | W | H(MM) | Weight | Terminal | cut-off voltage |
|-----------|------------------|-----------------|----------------|----------------|--------------------|-----|-----|-------|--------|-----------|-----------------|
| TY12V3A | 3Ah | 12V | 36WH | 1C | 0.5C | 90 | 70 | 101 | 0.48kg | Faston250 | 8V |
| TY12V4A | 4Ah | 12V | 48WH | 1C | 0.5C | 90 | 70 | 101 | 0.64kg | Faston250 | 8V |
| TY6V4A | 4Ah | 12V | 24WH | 1C | 0.5C | 47 | 70 | 101 | 0.6kg | Faston250 | 4V |
| TY12V5A | 5Ah | 12V | 60WH | 1C | 0.5C | 90 | 70 | 101 | 0.8kg | Faston250 | 8V |
| TY12V7.5A | 7.5Ah | 12V | 90WH | 1C | 0.5C | 151 | 65 | 94 | 1.1kg | Faston250 | 8V |
| TY12V10A | 10Ah | 12V | 120WH | 1C | 0.5C | 151 | 65 | 94 | 1.5kg | Faston250 | 8V |
| TY12V12A | 12Ah | 12V | 144WH | 1C | 0.5C | 151 | 98 | 95 | 1.6kg | Faston250 | 8V |
| TY12V15A | 15Ah | 12V | 180WH | 1C | 0.5C | 151 | 98 | 95 | 1.9kg | Faston250 | 8V |
| TY12V18A | 18Ah | 12V | 216WH | 1C | 0.5C | 181 | 77 | 167 | 2.6kg | M5 | 8V |
| TY12V20A | 20Ah | 12V | 240WH | 1C | 0.5C | 181 | 77 | 167 | 2.9kg | M5 | 8V |
| TY12V24A | 24Ah | 12V | 288WH | 1C | 0.5C | 166 | 175 | 125 | 3.2kg | M5 | 8V |
| TY12V32A | 32Ah | 12V | 384WH | 1C | 0.5C | 195 | 130 | 155 | 5.3kg | M6 | 8V |
| TY12V33A | 33Ah | 12V | 386WH | 1C | 0.5C | 195 | 130 | 155 | 5.4kg | M6 | 8V |
| TY12V36A | 36Ah | 12V | 432WH | 1C | 0.5C | 195 | 130 | 155 | 5.6kg | M6 | 8V |
| TY12V40A | 40Ah | 12V | 480WH | 1C | 0.5C | 202 | 144 | 175 | 6.4kg | M6 | 8V |
| TY12V55A | 55Ah | 12V | 660WH | 1C | 0.5C | 239 | 132 | 205 | 8.5kg | M6 | 8V |
| TY12V60A | 60Ah | 12V | 720WH | 1C | 0.5C | 239 | 132 | 205 | 9.5kg | M6 | 8V |
| TY12V80A | 80Ah | 12V | 960WH | 1C | 0.5C | 258 | 166 | 206 | 12.3kg | M6 | 8V |
| TY12V100A | 100Ah | 12V | 1200WH | 1C | 0.5C | 110 | 395 | 293 | 15.5kg | M8 | 8V |
| TY12V115A | 115Ah | 12V | 1380WH | 1C | 0.5C | 177 | 409 | 224 | 17.2kg | M8 | 8V |
| TY12V200A | 200Ah | 12V | 2400WH | 1C | 0.5C | 240 | 522 | 219 | 32.3kg | M8 | 8V |

Note: Lithium Iron Phosphate existing in standard cases of sealed lead acid batteries.

(Lead acid battery replacement)

You can now replace the lead acid (SLA, AGM or GEL) batteries with these modern LiFePO4 batteries and see the difference in the performance immediately! The size is the same, the performance and service-life is much better!

Application for lithium iron phosphate: 6V 4Ah, 12V 7Ah, 12V 10Ah, 12V 12Ah, 12V 15Ah, 12V 18Ah, 12V 20Ah---12V 200Ah

- Solar systems, UPS, alarm system, emergency light, medical, telecommunications
- Back up systems, off grid systems, mobile lighting systems. tactical light, golf trolley, etc

Benefits of lithium iron phosphate:

- Lighter than lead acid batteries - The largest number of cycles (>2000 cycles)
- No pollution and no maintenance

BMS Data: Can be customized according to customer's products

