

LIFEPO4 BATTERY



HIGH CAPACITY



LIFEPO4



FAST CHARGING



LCD DISPLAY



MULTIPLE PROTECTION



MULTIPLE CHARGING



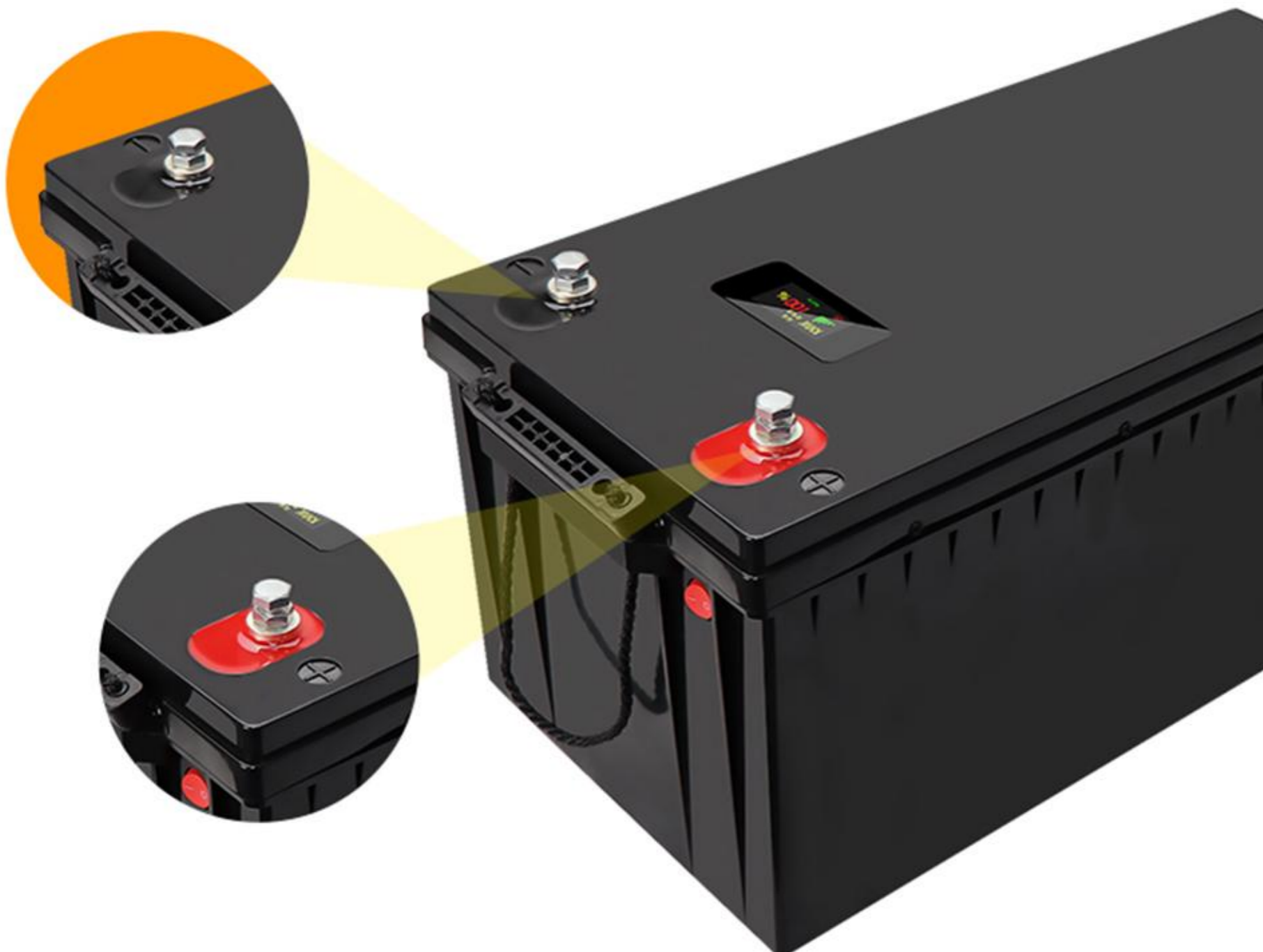
HIGH POWER OUTPUT



BMS SYSTEM

PURE COPPER TERMINAL GOOD ELECTRICAL CONDUCTIVITY

The manufacturing process is corrosive and conductive



INDEPENDENT RESEARCH AND DEVELOPMENT BMS MANAGEMENT SYSTEM

Same port output and input high current design
High-power electrical appliances are turned on at will, no need to wait for electricity



6. Battery



| MODEL | AP-550A | AP-550B | AP-551A | AP-551B | AP-552A | AP-556A | AP-556B |
|-----------------------------------|---|--------------------------------------|---------------|---------------|---------------|-------------------------------|------------------------|
| Mechanical specifications | | | | | | | |
| | 12V 100Ah | 12V 150Ah | 12V200Ah | 12V250Ah | 12V300Ah | 25.6V 100Ah | 25.6V 150Ah |
| Housing material | ABS plastic | | | | | | |
| Battery materials | Lithium iron phosphate | | | | | | |
| Terminal blocks | M8 | | | | | | |
| IP rating | IP65 | | | | | | |
| Basic performance | | | | | | | |
| Nominal voltage | 12.8V | | | | | 25.6V | |
| Nominal capacity | 100Ah | 150Ah | 200Ah | 250Ah | 300Ah | 100Ah | 150Ah |
| Energy storage capacity | 1.2KW | 1.9KW | 2.5KW | 3KW | 3.8KWH | 2.5KW | 3.8KWH |
| display screen | LCD | | | | | | |
| Communication method | Customizable | | | | | | |
| Bluetooth | Can be added | | | | | | |
| Resistance | <0.5mΩ | | | | | | |
| Self-discharge rate | 5-8% | | | | | <3%/month | |
| Cycle life | 6000 Times (80%DOD) | >5000times(80%DOD) | | | | 6000times (80%DOD) | >5000times (80%DOD) |
| size | 330*172*215mm | 522*240*218mm | 522*240*218mm | 522*269*220mm | 522*269*220mm | 520*238*230mm | 520*269*220mm |
| weight | 11KG | 18Kg | 20Kg | 29Kg | 26Kg | 22kg | 28kg |
| Compliance | | | | | | | |
| Security certification | CE | UN boxes can be declared for customs | | | | CE, MSDS, UN38.3 | |
| Shipping certification | Air, sea and land transportation | | | | | | |
| Charging performance | | | | | | | |
| Rated charging current | Within 0.5C | | | | | | |
| Maximum charging current | | | | | | | |
| Rated charging voltage | 14.6V | | | | | 29.2V | |
| Charging cut-off voltage | | | | | | | |
| Recharge voltage | 13.2-14.6V | | | | | 25.6-29.2V | |
| Charging method | Air, sea and land Charge at the same port | | | | | Charge at the same port | |
| Unit balancing voltage | 3.2V | | | | | | |
| Number of system concatenation | 4S | | | | | 8 in series and 1 in parallel | |
| Discharge performance | | | | | | | |
| Rated discharge current | 1C | | | | | | |
| Pulse current (<=3S) | 200A | 300A | 400A | 400A | 400A | 200A (<3s) | 300A (<3s) |
| Rated discharge cut-off voltage | 10V | | | | | 20V | |
| Minimum discharge cut-off voltage | | | | | | | |
| Reconnect the voltage | 14.6V | | | | | 25.6V | |
| Short-circuit protection time | 450uS±100uS | | | | | | |
| Short-circuit current | 400A±100A | | | | | | |
| Temperature performance | | | | | | | |
| Discharge temperature | -20℃~65℃ | | | | | -20℃~45℃ | |
| Charging temperature | 0℃~45℃ | | | | | | |
| Storage Ambient Humidity (RH) | <25% | | | | | | |
| Storage temperature | 0℃~45℃ | | | | | | |
| Superheating cut-off temperature | 65℃ | | | | | | |
| Reconnect the temperature | 55℃ | | | | | | |