

## LIFEPO4 BATTERY



HIGH CAPACITY



LIFEPO4



FAST CHARGING



LCD DISPLAY



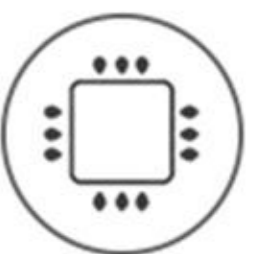
MULTIPLE PROTECTION



MULTIPLE CHARGING



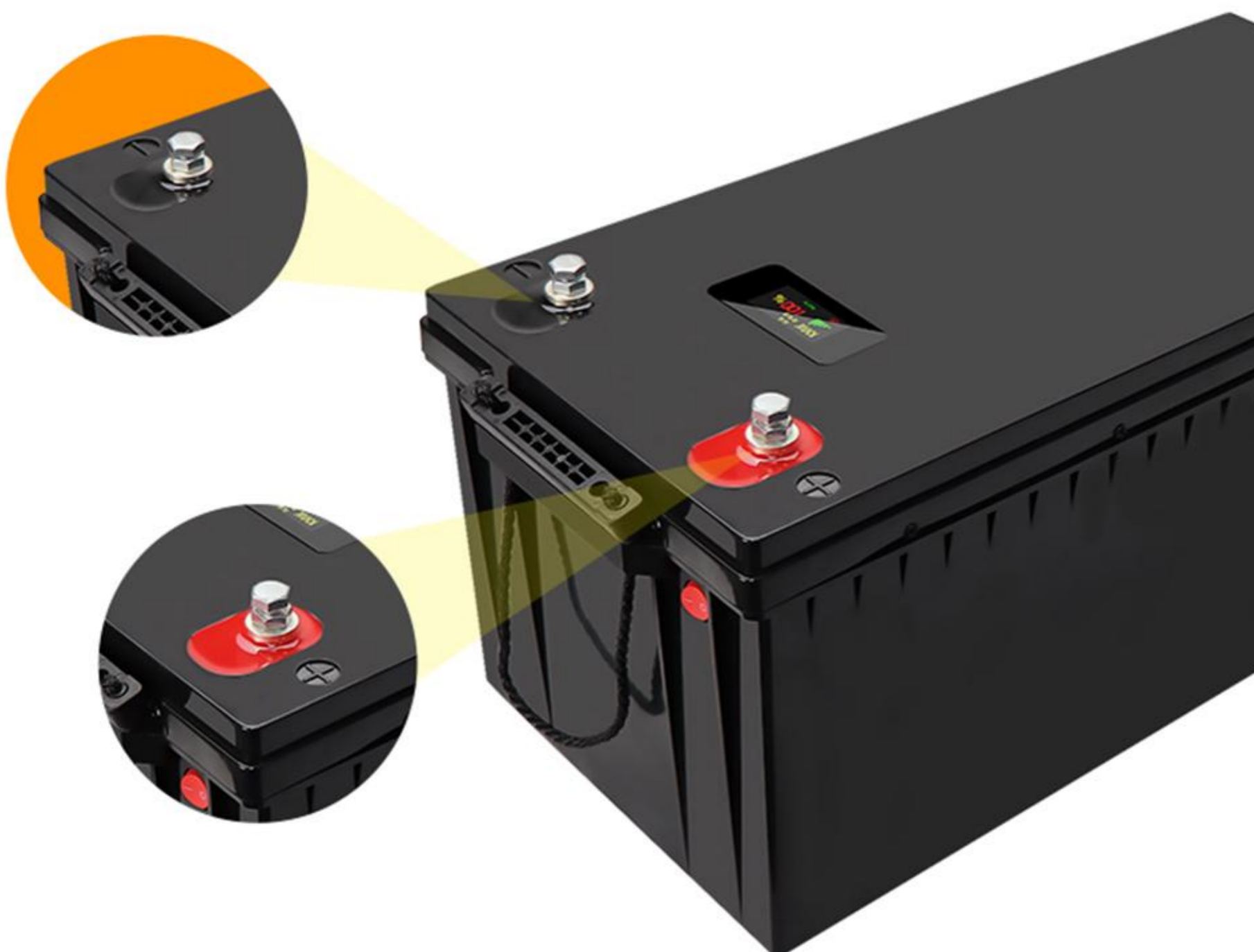
HIGH POWER OUTPUT



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
<b>Mechanical specifications</b>							
	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						
<b>Basic performance</b>							
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
<b>Compliance</b>							
Security certification	CE	UN boxes can be declared for customs				CE, MSDS, UN38.3	
Shipping certification	Air, sea and land transportation						
<b>Charging performance</b>							
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	
<b>Discharge performance</b>							
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						
<b>Temperature performance</b>							
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℃						