

Grade A LiFePO4 battery cell



High power output



Multiple protection



Bluetooth
Communicator



High temperature
resistance

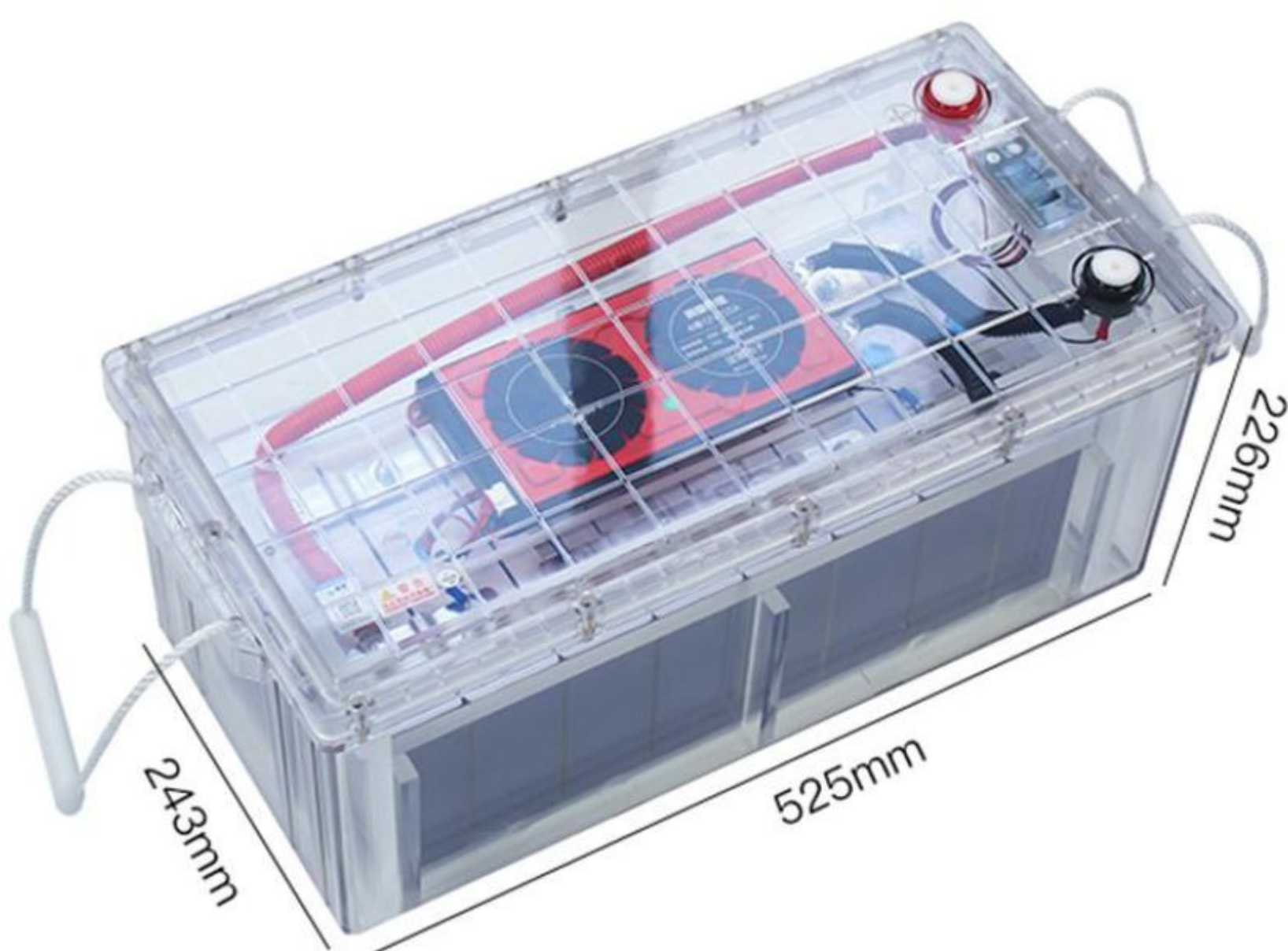


LONG SERVICE LIFE



Strong compatibility

Multiple security protection



6. Battery



Model	AP-550C	AP-550D	AP-550F	AP-556C	AP-556D
Mechanical specifications					
specifications	12V 100Ah	12V 200Ah	12V 300Ah	25.6V 100Ah	25.6V 150Ah
Housing material	ABS transparent				
Battery materials	Lithium iron phosphate				
Terminal blocks	M8				
IP rating	IP65				
Basic performance					
Nominal voltage	12.8V			25.6V	
Nominal capacity	100Ah	200Ah	300Ah	100Ah	150Ah
Energy storage capacity	1280Wh	2560Wh	3840Wh	2560Wh	3840Wh
display screen	LCD				
Communication method	Can be added				
Bluetooth					
Resistance	<0.5mΩ				
Self-discharge rate	<3%/month				
Cycle life	>6000times				
size	340*186*230mm	525*243*226mm	525*243*226mm	525*243*226mm	525*243*226mm
weight				22kg	28kg
Compliance					
Security certification	CE, MSDS, UN38.3				
Shipping certification	Air, sea				
Charging performance					
Rated charging current	Within 0.5C				
Maximum charging current					
Rated charging voltage	14.6V			29.2V	
Charging cut-off voltage					
Recharge voltage	12.8V-14.6V			25.6-29.2V	
Charging method	Solar, engine, mains			Charge at the same port	
Unit balancing voltage	3.2V				
Number of system concatenation	4S			8 in series and 1 in	
Discharge performance					
Rated discharge current	1C				
Pulse current (<=3S)	200A			300A	
Rated discharge cut-off voltage				20V	
Minimum discharge cut-off voltage	10V				
Reconnect the voltage	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℃	0℃~45℃	0℃~45℃	0℃~45℃	0℃~45℃
Superheating cut-off temperature	65℃				
Reconnect the temperature	55℃				

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