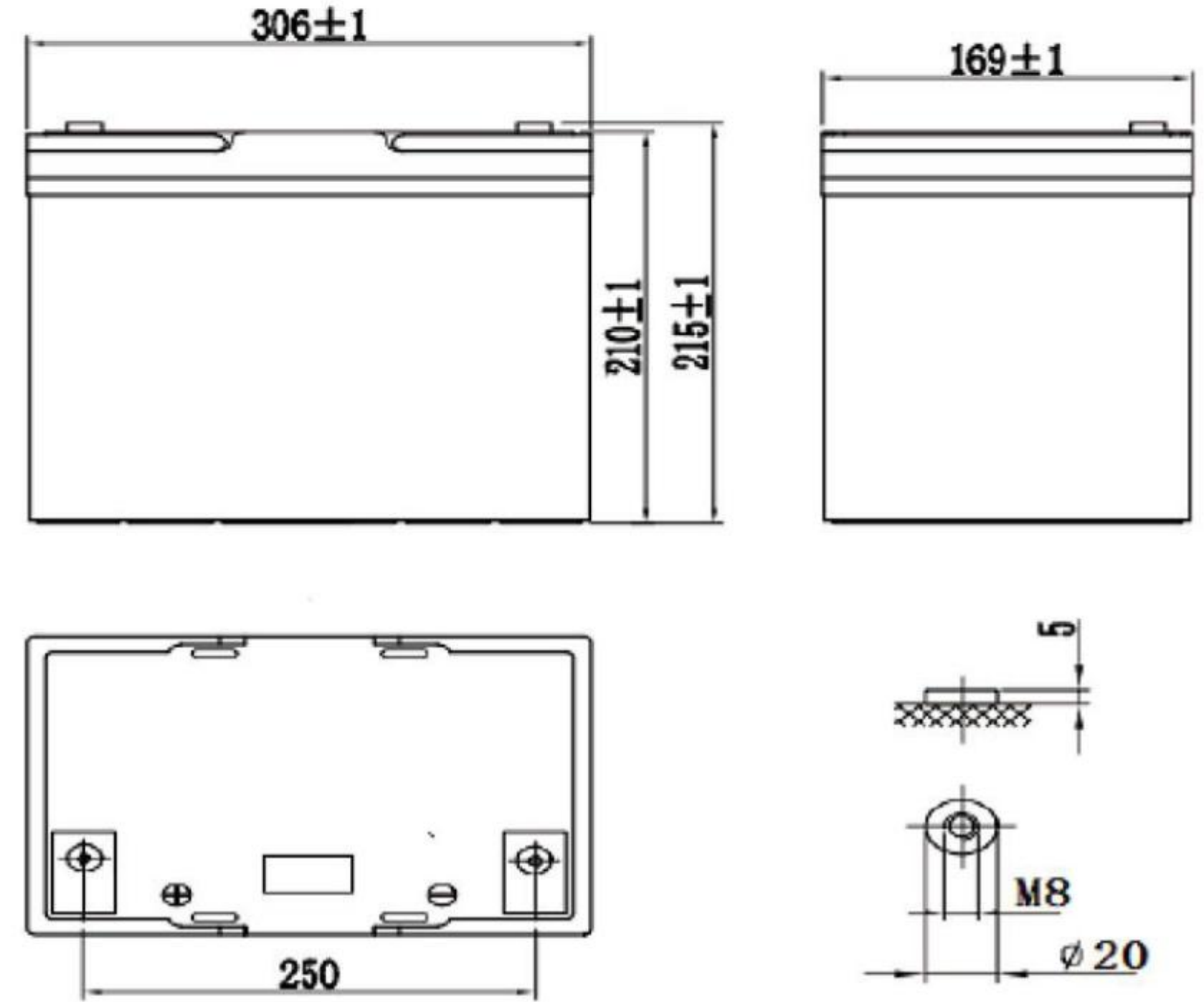
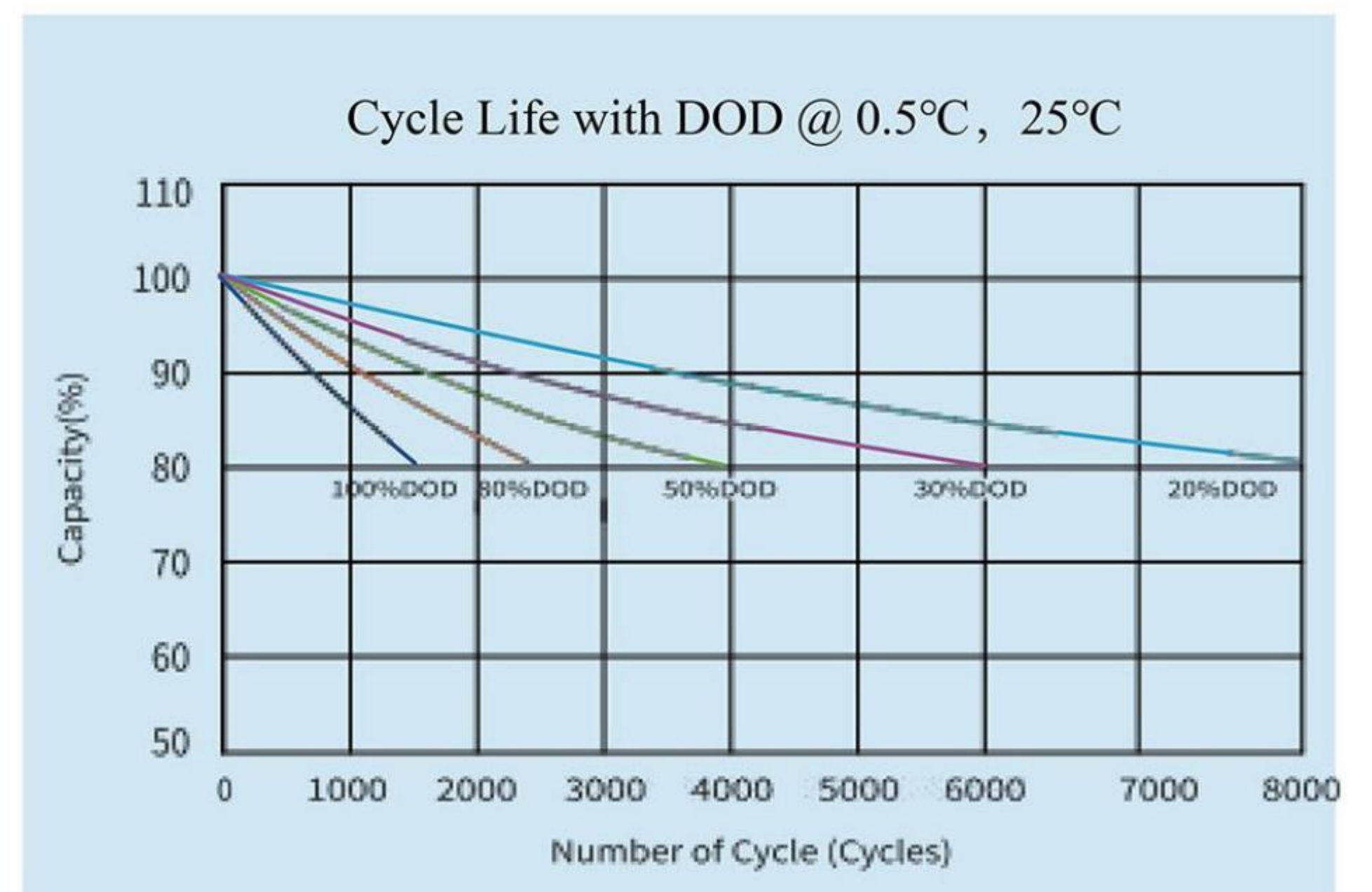
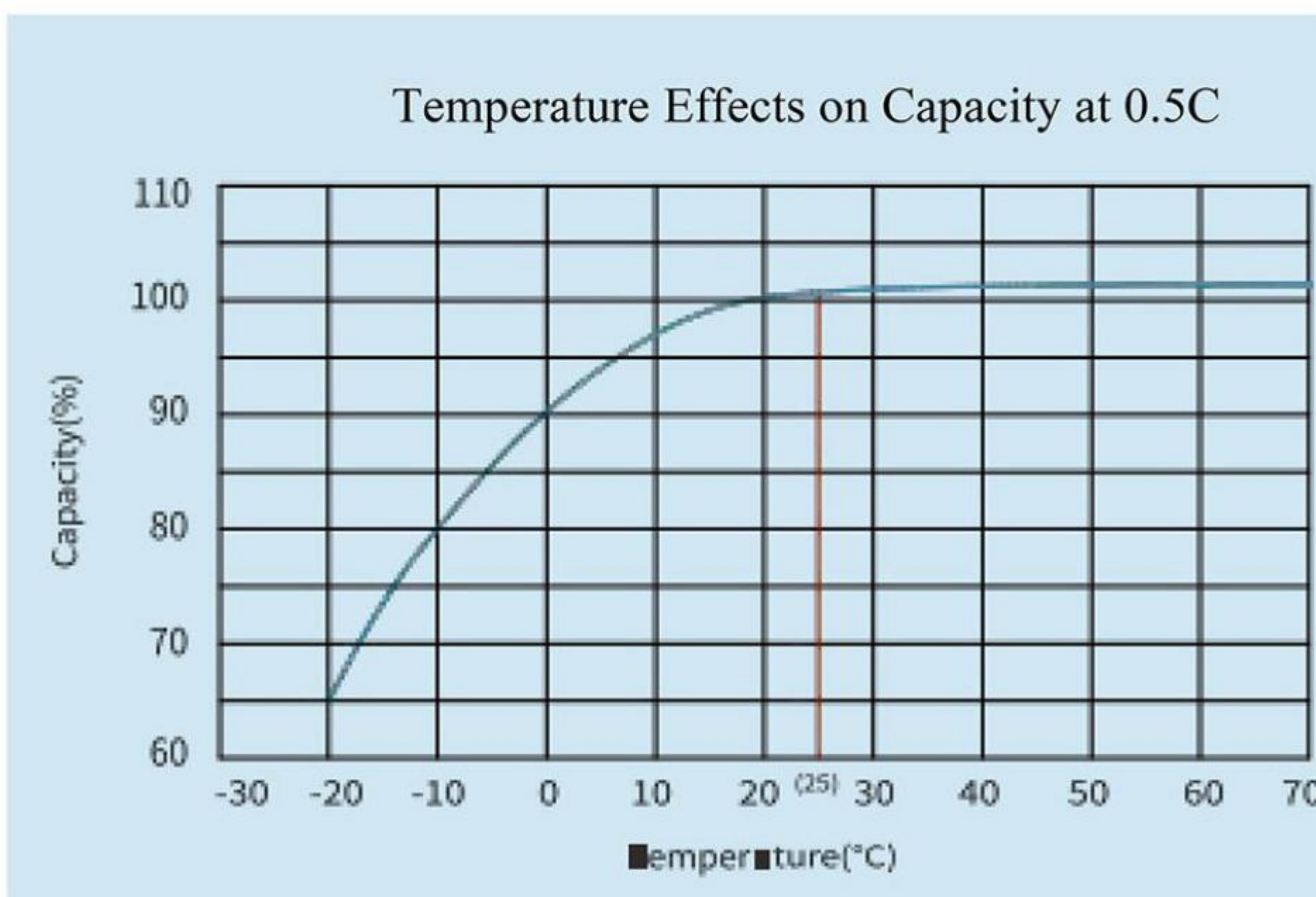
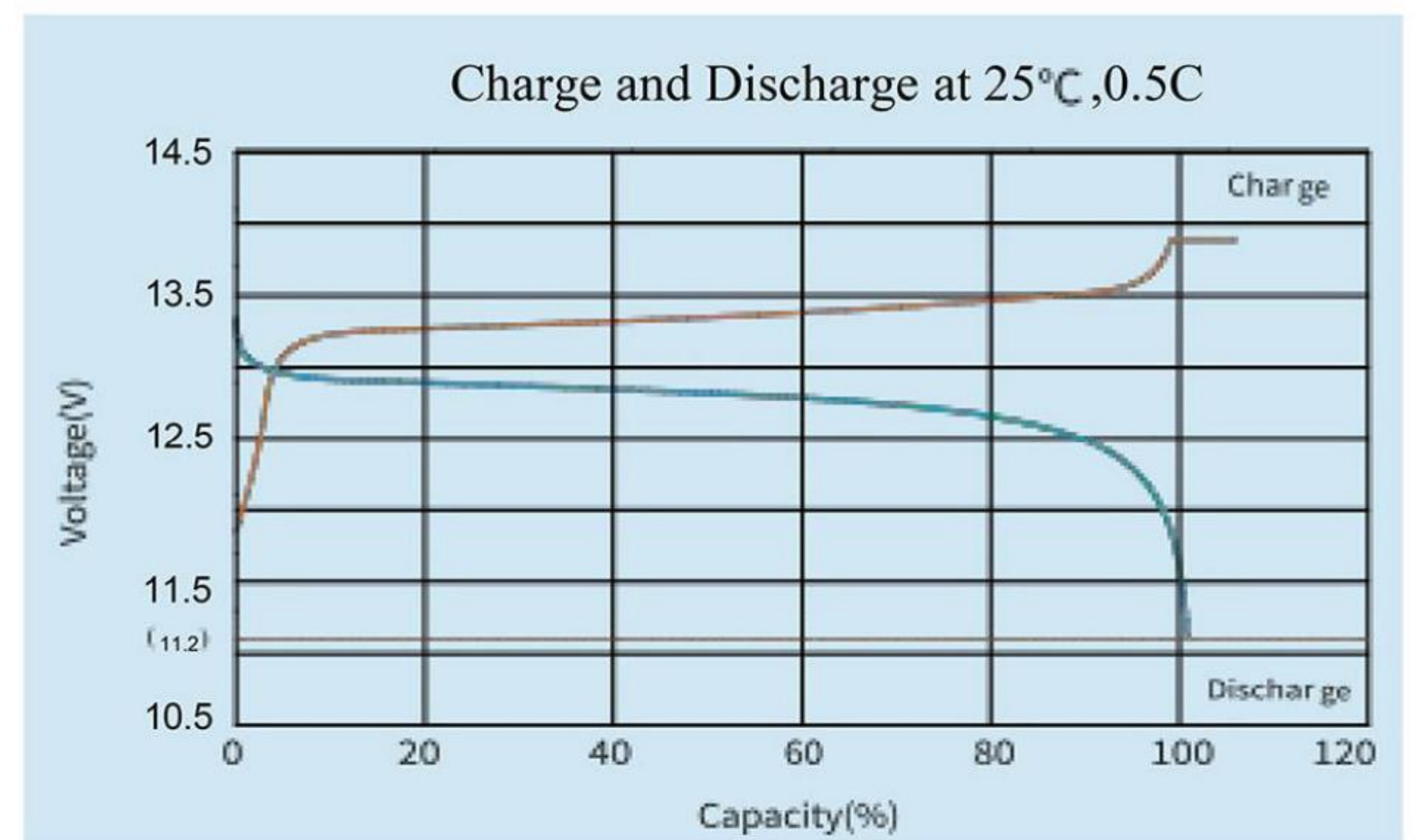
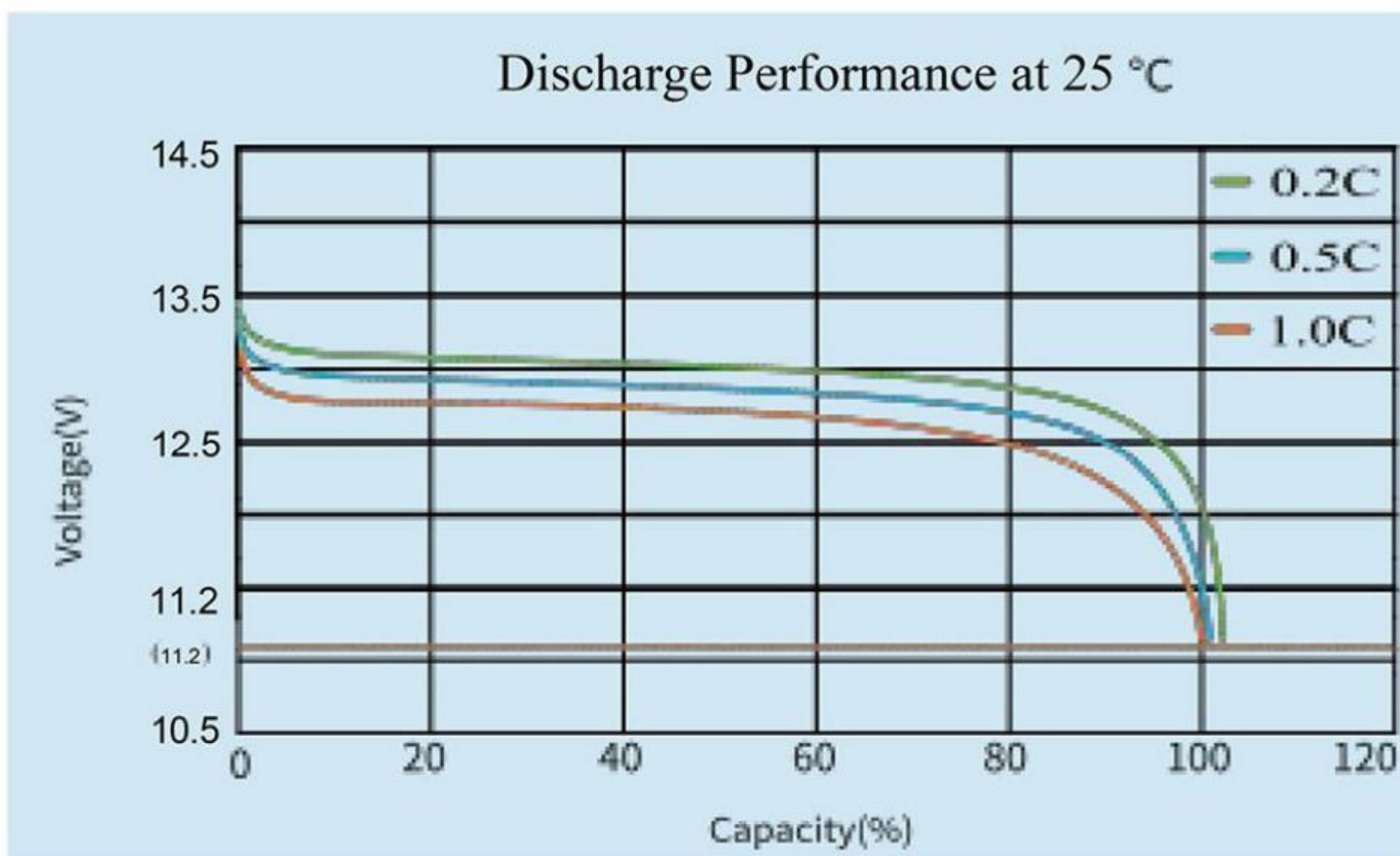


LiFePO4 in Lead acid case



Characteristics Curve



6. Battery



MODEL	AP-551	AP-552	AP-556	AP-558
Mechanical specifications				
Housing material	ABS			
Battery materials	Lithium iron phosphate			
Terminal blocks	M8			
IP rating	IP65			
BMS characteristics				
Recommended charging current	50A		100A	
Maximum charging current	100A		200A	
Maximum continuous discharge current	100A		200A	
Recommended charging voltage	13.6~13.8V		27.2~27.6V	
Maximum charging voltage	14.4V		29.2V	
Overcharge protection voltage	14.8~15V		29.6~30V	
Charging mode	CC/CV			
Discharge cut-off voltage (BMS)	8.8V		17.6V	
Basic performance				
Nominal voltage	12.8V		25.6V	
Rated capacity	100Ah	200Ah	100Ah	200Ah
Standard discharge time	100A@60min	100A@120min	100A@60min	100A@120min
Energy storage capacity	1.28KWh	2.56KWh	2.56KWh	5.12KWh
Resistance	≤15mΩ	≤10mΩ	≤15mΩ	≤15mΩ
Self-discharge rate	≤2% month			
Cells	Square 100Ah		Square 105Ah	
Cycle life	2500times(1C/1C)			
size	306*169*215	522*238*223	483*170*240	520*269*220
weight	10.1KG	19.5KG	21KG	43KG
Compliance				
authentication	CE UN38.3 UL1642 IEC62133			
Traffic assessment	UN3480, CLASS 9			
Charging performance				
Rated charging current	50A		100A	
Maximum charging current	100A		200A	
Rated charging voltage	13.6~13.8V		27.2~27.6V	
Charging cut-off voltage	>14.8V(0.5~1.5S)		>29.6V(0.5~1.5S)	
Recharge voltage	<14.4V		<28.8V	
Unit balancing voltage	<14V		>3.5V	
Number of system concatenation	≤4		≤2	
Discharge performance				
Number of system concatenation	100A		200A	
Pulse current (<=5S)	600A			
Rated discharge cut-off voltage	11.2V		22.4V	
Minimum discharge cut-off voltage	>10V		>20V	
Reconnect the voltage	>10.4V		>20.8V	
Short-circuit protection	200~800 μs			
Short-circuit current	2200A			
Temperature performance				
Discharge temperature	-20~60℃			
Charging temperature	0~45℃			
Storage temperature	-5~35℃			
Superheating cut-off temperature	70℃	65℃	70℃	70℃
Relink the temperature	50℃	48℃	50℃	50℃

Product specifications are subject to change without further notice

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