

AB12650

12V-65Ah (10hr)



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| <ul style="list-style-type: none"> Positive and negative plates in lead-calcium-tin alloy Stable Quality & High Reliability Sealed Construction Long Service Life Maintenance-Free Operation
ABS (UL94-HB) & Flame Retardant (94-V0) | <ul style="list-style-type: none"> Low Pressure Venting System Low Self Discharge U. L. Component Recognition Six months shelf life at 20°C Design life 10 years |
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Dimensions and Weight		
	SI Units	English Units
Length	350mm	13.8inch
Width	167mm	6.57inch
Height	179mm	7.05inch
Total Height	179mm	7.05inch
Approx. Weight	23.4Kg	51.6lbs

Performance Characteristics	
<ul style="list-style-type: none"> Nominal Voltage 12V Number of cell 6 Nominal Capacity 77°F(25°C) <ul style="list-style-type: none"> 10 hour rate (6.50A, 10.8V) 65.0Ah 5 hour rate (11.3A, 10.5V) 56.5Ah 1 hour rate (44.2A, 9.60V) 44.2Ah Internal Resistance <ul style="list-style-type: none"> Fully Charged battery 77°F(25°C) 6mOhms Self-Discharge <ul style="list-style-type: none"> 3% of capacity declined per month at 20°C(average) 	<ul style="list-style-type: none"> Operating Temperature Range <ul style="list-style-type: none"> Discharge -20~60°C Charge -10~60°C Storage -20~60°C Max. Discharge Current 77°F(25°C) 650A(5s) Short Circuit Current 1700A Charge Methods: Constant Voltage Charge 77°F(25°C) <ul style="list-style-type: none"> Cycle use 14.4-14.7V Maximum charging current 19.5A Temperature compensation -30mV/°C Standby use 13.6-13.8V <ul style="list-style-type: none"> Temperature compensation -20mV/°C

Battery Construction

Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	ABS	Rubber	Copper	Fiberglass	Sulfuric acid

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Battery Model: AB12650

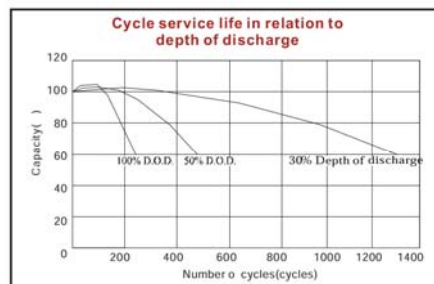
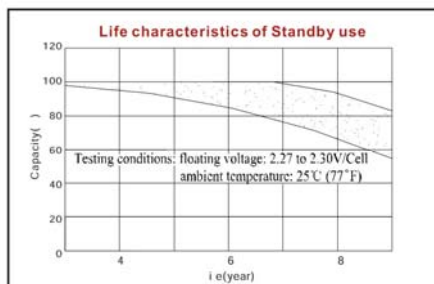
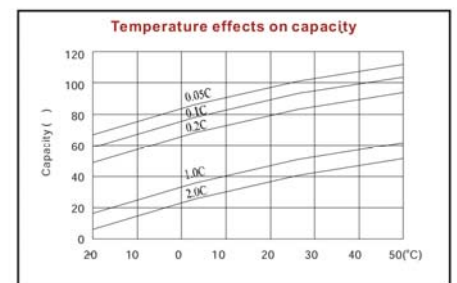
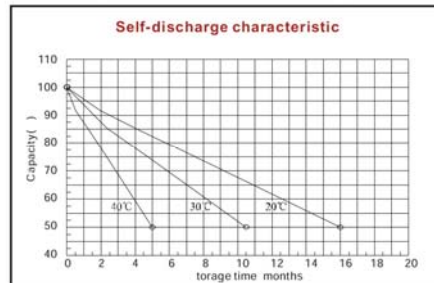
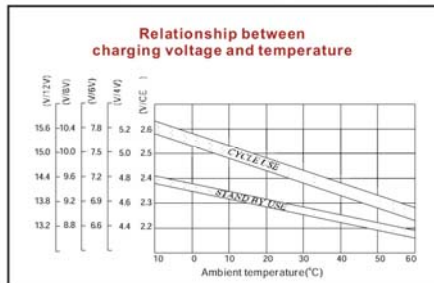
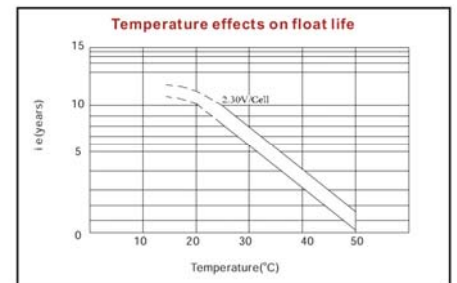
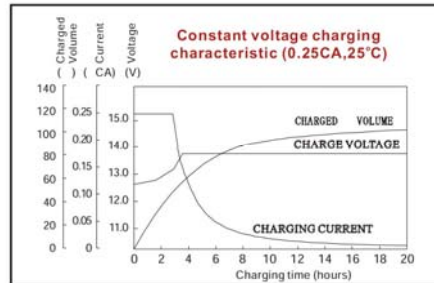
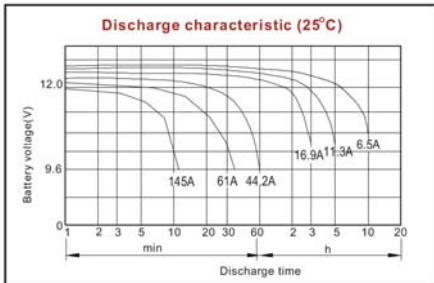
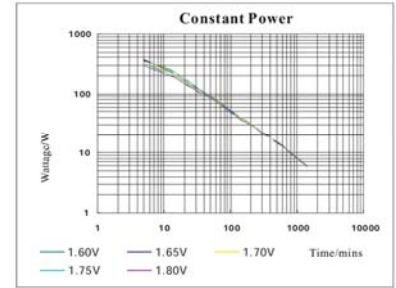
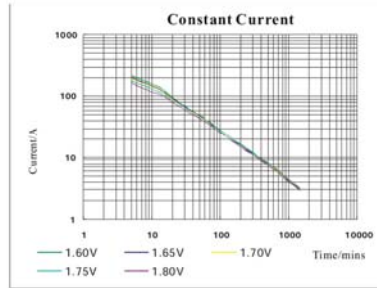
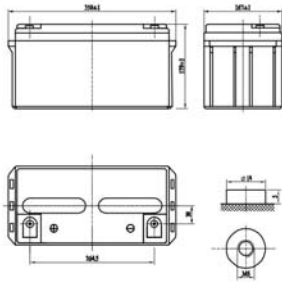
Constant Current Discharge Data (Amperes at 25°C)

End point Volts/cell	5min	10min	15min	30min	1h	2h	3h	5h	8h	10h	12h	24h
1.60	215	160	125	70.5	44.2	24.3	17.7	12.1	8.28	7.01	5.90	3.20
1.65	203	151	116	68.0	41.9	23.3	17.1	11.7	8.10	6.90	5.81	3.12
1.70	191	143	114	66.3	41.5	23.1	16.9	11.5	7.95	6.76	5.75	3.06
1.75	178	132	108	66.2	40.9	22.8	16.7	11.3	7.78	6.61	5.62	2.97
1.80	165	120	100	61.8	38.3	21.8	16.3	11.1	7.65	6.50	5.53	2.86

Constant Power Discharge Data (Watts per cell at 25°C)

End point Volts/cell	5min	10min	15min	30min	1h	2h	3h	5h	8h	10h	12h	24h
1.60	381	282	222	132	80.8	46.1	34.5	22.8	15.5	13.1	11.1	5.98
1.65	359	267	206	127	79.0	45.1	33.8	22.6	15.3	12.9	11.0	5.90
1.70	337	252	197	118	77.2	44.6	33.7	22.4	15.2	12.8	10.9	5.88
1.75	315	237	193	116	75.4	43.2	32.4	22.0	15.0	12.7	10.8	5.84
1.80	294	220	183	114	75.0	42.5	31.7	21.7	14.9	12.6	10.7	5.78

(Note) The above characteristics data are average values obtained within three charge/discharge cycles not the minimum values.



*Product specifications are subject to change without further notice *Image is for illustration purposes only