



ALS12085

(12V/85Ah)

BATTERY CONSTRUCTION

Component	Positive Plate	Negative Plate	Separator	Electrolyte	Container	Cover	Safety valve	Terminal
Raw material	Lead dioxide	Lead	Fiberglass	Silicon GEL	ABS	ABS	Si-Rubber	Copper

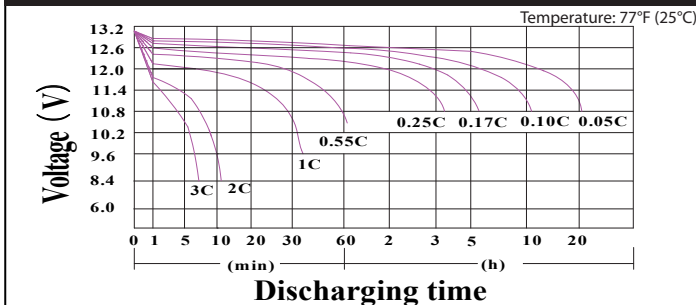
SPECIFICATIONS

Nominal Voltage		12 V
Rated Capacity (20 hour rate)		85 Ah
Dimensions	Total Height	215 mm
	Height	211 mm
	Length	260 mm
	Width	169 mm
Weight		26.2 kg

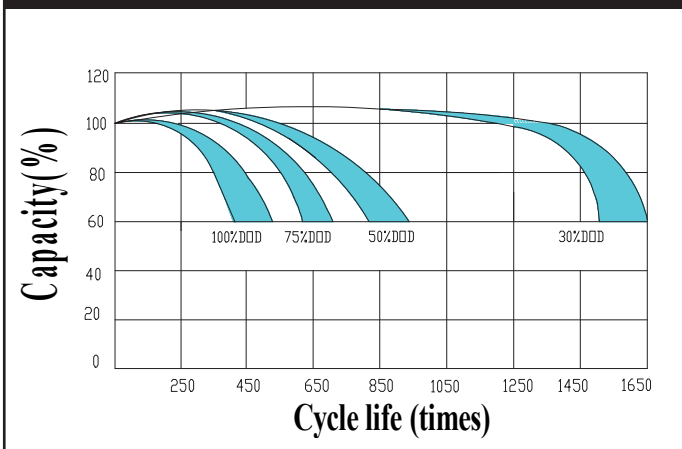
CHARACTERISTICS

Capacity 25°C (77°F)	20 Hour Rate (4.25A to 10.8 V)	85Ah
	10 Hour Rate (8.0A to 10.5 V)	80Ah
	5 Hour Rate (14.0A to 10.2 V)	70Ah
	2 Hour Rate (30.0A to 9.6V)	60Ah
Capacity Affected by Temperature (20 Hour Rate)	40°C (104°F)	102%
	25°C (77°F)	100%
	0°C (32°F)	85%
	-15°C (5°F)	65%
Self-Discharge 25°C (77°F)	Capacity after 3 month storage	92%
	Capacity after 6 month storage	84%
	Capacity after 12 month storage	65%
Max. Discharge Current 25°C (77°F)		850A (5s)
Terminal	Standard	M6
Charging (Constant Voltage)	Cycle	Initial Charging Current less than 17A 14.4 V ~ 14.9 V (25°C)
	Float	13.6 V ~ 13.8 V (25°C)

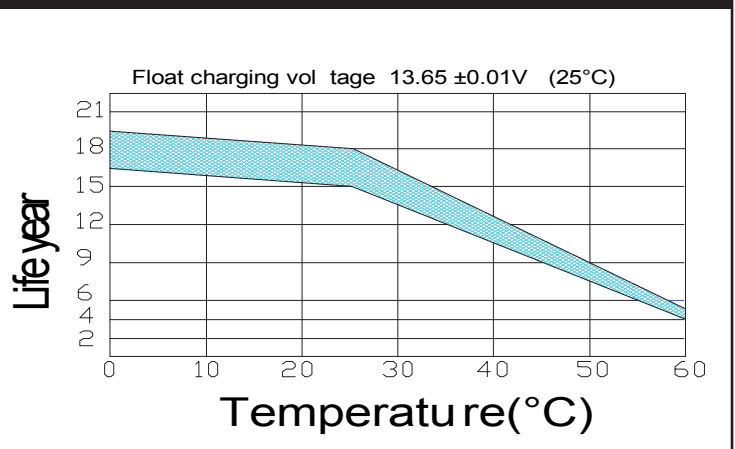
DISCHARGE CHARACTERISTICS



CYCLE LIFE VS DEPTH OF DISCHARGE (25°C)



TEMPERATURE EFFECT ON DESIGNED SERVICE LIFE



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