

Test Values

Rated voltage		12 Volts	
Capacity		55 Ah, 66 Ah, 88 Ah	
Acid level above upper edge of separator or above acid level mark ¹⁾		5 mm	
Spec. weight of acid at 20° C or acid density	Fully charged	1.28 (tropics 1.23)	
	Partially charged	1.21 (tropics 1.16)	
	Discharged	1.14 (tropics 1.09)	
Charging current in amps	Initial charging	max. 5%	of battery capacity
	Normal recharging	max. 10%	
	Quick charging	up to 75%	
Acid temperature prior to charging		16–32°C	
Maximum temperature		40°C (tropics 50°C)	
Freezing point	Fully charged	– 68°C (tropics –40°C)	
	Partially charged	– 40°C (tropics –13°C)	
	Discharged	– 12°C (tropics –6°C)	

¹⁾ The acid should not exceed the top edge of the separators or the acid level mark by more than 5 mm even with the battery fully charged (acid density 1.28 or for tropics 1.23). The separators are extending over the plates by approx. 10 mm.

Self-discharge

In the course of time, batteries will lose their charge even without connection to a load.

The self-discharge is favoured by contaminations in the battery acid, as well as by high temperatures.

The normal self-discharge is approx. 1% of capacity per day.

To reduce the self-discharge on batteries for tropical countries a battery acid having a density of 1.23 kg/liter should be selected.

Layoff

When the vehicle or the battery is laid off, the battery must be recharged every month, discharged every third month and charged again.

Never leave battery in discharged condition.

Oxidised terminals will clean themselves automatically when soaked in water for 1–2 hours.