

LTG12-55

Valve-regulated lead-acid battery



Characteristics

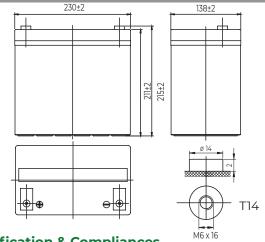
Nominal voltage						
Nominal capacity at 10 hours rate/10.8V (25°C)						
20 Hours rate/10.8V	58.4Ah					
5 Hours rate/10.8V	45.35Ah					
	T14					
Terminal type Torque						
Approx. internal resistance (25°C)						
Length	230±2mm (9.06inch)					
Width	138±2mm (5.43inch)					
Height	211±2mm (8.31inch)					
Total height	215±2mm (8.46inch)					
JIS at 25°C	12 years					
Eurobat at 20°C	10/12 years					
Weight						
g temperature	25±3°C (77°F±5)					
Discharge	-15°C~50°C (5°F~122°F)					
Charge	-10°C~50°C (14°F~122°F)					
Storage	-20°C~50°C (-4°F~122°F)					
ltage at 25°C	13.5V~13.8V					
oltage at 25°C	14.5V~14.7V					
Float charge	-18 mV/°C/Block					
Cycle charge	-30 mV/°C/Block					
Max. charging current (A)						
Max. discharge current for 5 seconds						
Self discharge rate (25°C)						
Battery container ABS UL94-HB						
	20 Hours rate/10.8V 5 Hours rate/10.8V 5 Hours rate/10.8V Length Width Height Total height JIS at 25°C Eurobat at 20°C g temperature Discharge Charge Storage Itage at 25°C Float charge Cycle charge rrent (A) Irrent for 5 seconds e (25°C)					

Overview

Leaftron AGM GEL Series are manufactured following the highest demands in the deep cycle and renewable energy applications. The batteries use colloidal or foamed silica gel to immobilize the electrolyte, which further enhances the cycling stability. Available in top and front terminal types.

Dimensions & Terminal Type (mm)

SERIES



Certification & Compliances







Construction Compliant to: EUROBAT, RoHS, WEEE's and Reach. Manufactured according to IEC 60896-21/22

Component	Positive Plate	Negative plate	Container	Separator	Electrolyte	Sefety valve	Terminal
Raw material	Lead dioxide	Lead	ABS (V-0 opt.)	AGM	Sulfuric Acid Gel	Rubber	Copper

Constant current discharge characteristics at 25°C

(Ampere/battery)

F.V/Time	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	105	86.2	52.3	32.3	20.1	14.3	11.2	9.54	6.73	5.60	2.97
9.90V	102	84.2	51.2	31.9	20.0	14.2	11.2	9.48	6.69	5.59	2.96
10.2V	97.7	81.1	49.7	31.0	19.8	14.1	11.1	9.42	6.65	5.57	2.95
10.5V	93.5	78.3	48.5	30.1	19.5	14.0	11.0	9.35	6.60	5.54	2.94
10.8V	88.3	74.2	46.7	29.1	19.0	13.7	10.7	9.07	6.40	5.50	2.92

Constant power discharge characteristics at 25°C

(Watts/battery)

F.V/Time	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	1135	947	587	369	233	168	132	113	80.0	66.9	35.6
9.90V	1101	924	575	363	231	167	131	112	79.5	66.7	35.5
10.2V	1056	890	557	354	229	166	130	111	79.0	66.5	35.4
10.5V	1010	860	544	343	226	165	129	111	78.4	66.1	35.2
10.8V	954	814	524	332	220	162	125	107	76.1	65.7	35.0

The above characteristics represent average values and can be obtained within three charge and discharge cycles. The batteries must be fully charged before testing. The data in this document is subject to change without notice and become contractual only after written confirmation.