

ACUMAX sealed lead-acid battery AFT type

AFT 110-12

● Specification & Characteristics

Model		AFT 110-12
Nominal voltage		12 [V]
Rated capacity		110 [Ah] / 10 [h]
Dimensions	Height	285 [mm]
	Length	395 [mm]
	Width	110 [mm]
Weight		~ 37,0 [kg]
Internal resistance		3,2 [mΩ]
Capacity 25 [°C]	10 [h]	110 [Ah]
	8 [h]	108 [Ah]
	5 [h]	100 [Ah]
Max. Discharge current		1500 [A] (5 [s])
Charging voltage 25 [°C]	Standby use	13,5 to 13,8 [V]
	Cycle use	14,5 to 15,0 [V]
Recommended charging current		11 [A]
Max. Charging current		33 [A]



ACUMAX batteries are made in AGM technology, constructed by plates, separators, safety valves and container.

Design life of AFT type batteries - **10 years**.

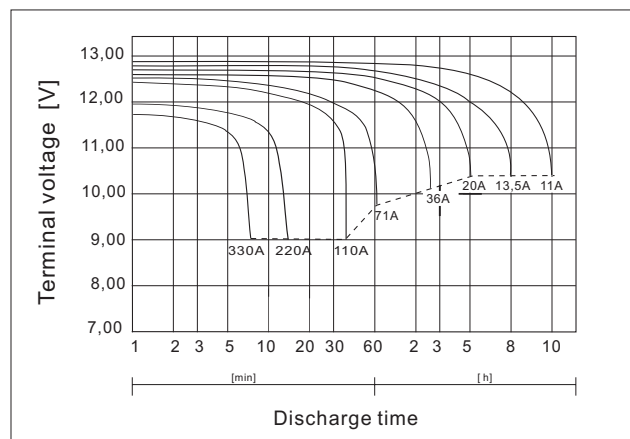
Front terminal connections for fast and easy installation and maintenance.

Battery design allows for 48VDC configuration in a standard 19" and 23" rack.

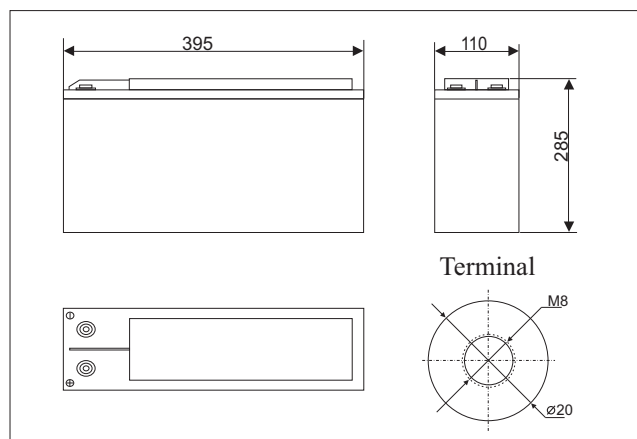
Typical applications:

- DC telecom power supply systems;
- GSM base stations.

● Discharge characteristics (25 [°C])



● Dimensions [mm]



● Constant Power Discharge [Watts/cell], 25 [°C]

Cut off voltage [V/cell]	Discharge time												
	5 min.	10 min.	15 min.	30 min.	45 min.	1 h	2 h	3 h	5 h	8 h	10 h	12 h	24 h
1,80	611	465	371	238	179	142	85,5	58,8	40,5	26,2	22,5	19,1	10,4
1,75	641	484	393	247	182	147	86,7	59,7	40,9	26,7	22,9	19,6	10,4
1,70	679	511	411	259	187	148	87,3	60,4	41,3	27,4	23,2	19,6	10,5
1,67	704	525	423	263	194	149	87,7	60,8	41,4	27,4	23,2	19,7	10,5
1,65	710	537	430	266	196	150	87,9	61,1	41,5	27,5	23,2	19,7	10,5
1,60	729	545	437	269	198	151	88,2	61,5	41,6	27,5	23,3	19,7	10,5

Mark	Type	Date of issue	Change number	Date of change
ACUMAX	AFT 110-12	08.02.2005	1	22.05.2009