

ACUMAX sealed lead-acid battery AFT type

AFT 100-12

● Specification & Characteristics

Model		AFT 100-12
Nominal voltage		12 [V]
Rated capacity		100 [Ah] / 10 [h]
Dimensions	Height	240 [mm]
	Length	508 [mm]
	Width	110 [mm]
Weight		~ 36,4 [kg]
Internal resistance		3,2 [m]
Capacity 25 [°C]	0 [h]	100 [Ah]
	8 [h]	97,6 [Ah]
	5 [h]	92,0 [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		10 [A]
Max. Charging current		30 [A]



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

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

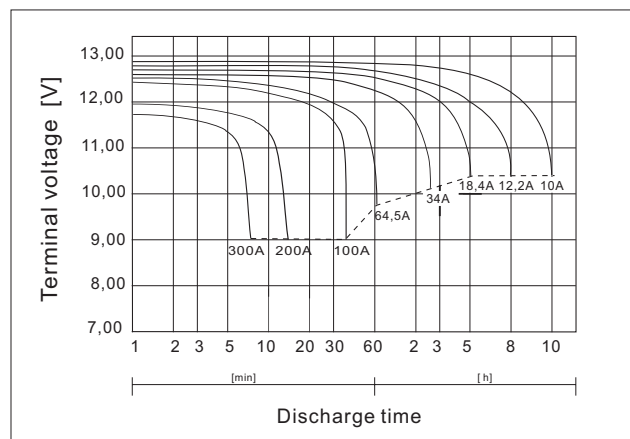
Front terminal connections for fast and easy installation and maintenance.

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

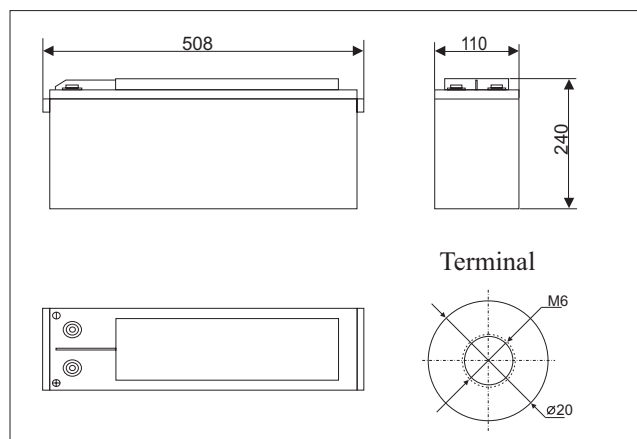
Typical applications:

- 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	585	438	348	220	161	129	78,2	53,5	36,5	23,8	20,5	17,7	9,29	
1,75	618	462	367	228	169	130	78,7	54,2	37,1	24,2	20,6	18,0	9,29	
1,70	646	483	382	237	175	131	79,2	54,8	37,4	24,4	21,1	18,1	9,30	
1,67	672	497	397	244	177	133	79,8	55,5	37,5	24,6	21,1	18,2	9,30	
1,65	679	505	406	248	179	135	80,4	55,8	37,5	24,6	21,2	18,2	9,30	
1,60	692	511	412	251	181	136	80,8	56,3	37,6	24,6	21,3	18,3	9,30	

Mark	Type	Date of issue	Change number	Date of change
ACUMAX	AFT 100-12	08.02.2005	0	-

- **Duration of discharge vs. Discharge current**

