

# ACUMAX sealed lead-acid battery AFT type

## AFT 55-12

### ● Specification & Characteristics

Model		AFT 55-12
Nominal voltage		12 [V]
Rated capacity		55 [Ah] / 10 [h]
Dimensions	Height	222 [mm]
	Length	279 [mm]
	Width	105 [mm]
Weight		~ 17,7 [kg]
Internal resistance		7,8 [m]
Capacity 25 [°C]	0 [h]	55 [Ah]
	8 [h]	52,9 [Ah]
	5 [h]	50,5 [Ah]
Max. Discharge current		825 [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		5,5 [A]
Max. Charging current		16,5 [A]



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

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

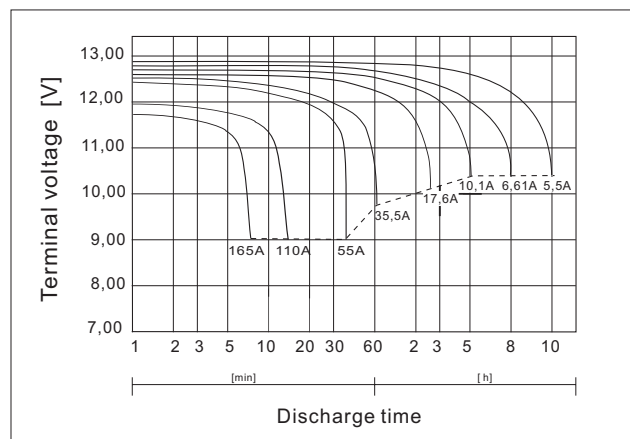
Front terminal connections for fast and easy installation and maintenance.

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

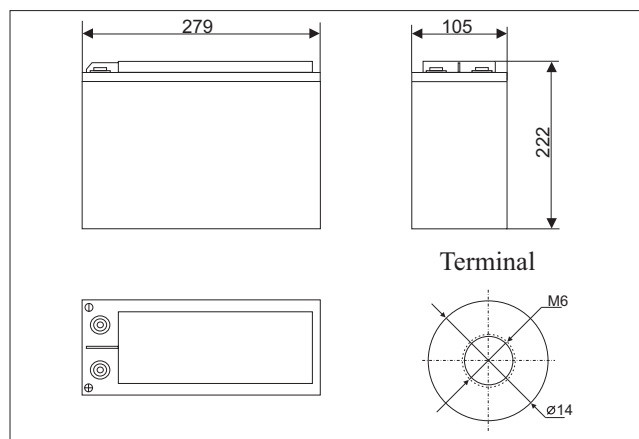
### Typical applications:

- 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	339	241	192	115	86,7	70,3	41,2	29,1	19,7	12,8	10,5	9,45	4,89	
1,75	355	253	199	120	88,9	71,8	42,3	29,5	20,1	13,0	11,1	9,54	4,90	
1,70	364	260	206	124	90,6	73,2	42,5	29,8	20,4	13,2	11,2	9,54	4,90	
1,67	378	269	215	126	92,8	73,9	43,2	30,0	20,5	13,3	11,3	9,55	4,90	
1,65	382	270	217	128	93,7	74,2	43,5	30,2	20,6	13,4	11,3	9,55	4,91	
1,60	388	272	219	129	94,9	75,1	43,9	30,4	20,7	13,4	11,4	9,55	4,91	

Mark	Type	Date of issue	Change number	Date of change
ACUMAX	AFT 55-12	08.02.2005	0	-

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

