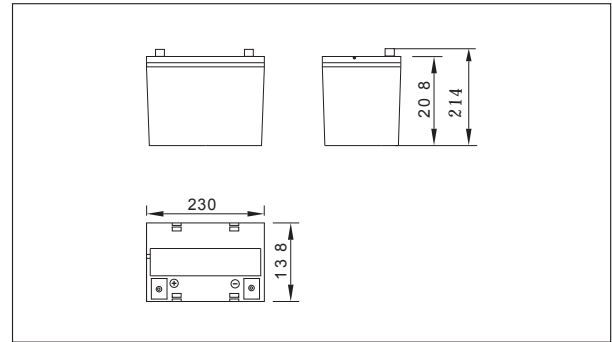




## AH 12-50(12V50AH)



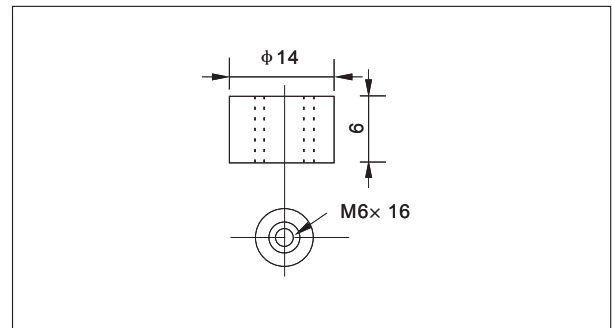
### Outer dimensions (mm)



### Specifications

Nominal Voltage	12V	
Rated capacity (10 hour rate)	50 Ah	
Dimensions	Total Height	214 mm (8.43 inches)
	Height	208 mm (8.19 inches)
	Length	230 mm (9.10 inches)
	Width	138 mm (5.43 inches)
Weight Approx	16.2 Kg (35.7 lbs)	

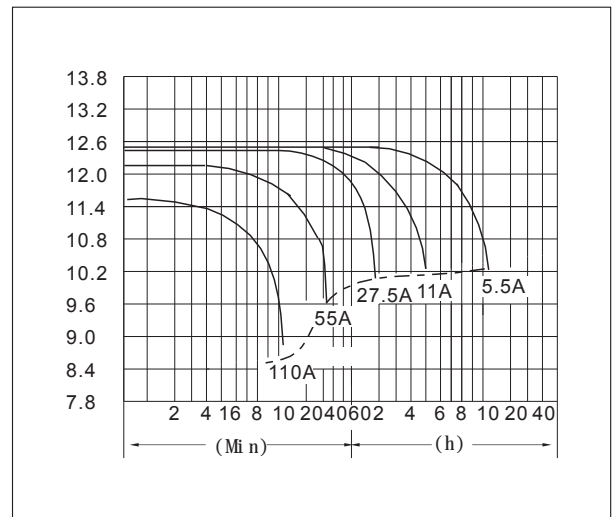
### Terminal Type (mm)



### Characteristics

Design Life	EUROBAT Long Life 10/12 years	
Certification	ISO9001, ISO14001, OHSAS18001, UL, CE, IEC60896-21/22	
Capacity 25°C(77°F)	10 hour rate(5.0A)	50.0 AH
	5 hour rate(8.8 A) 1 hour rate(33 A)	44.0 AH 33.0 AH
	1.5 hour discharge to 10.5V	22 A
Internal Resistance	Full charged Battery at 25°C(77°F) 7.5 mΩ	
Capacity affected by Temperature (10hour rate)	40°C(104°F)	102%
	25°C(77°F)	100%
	0°C(32°F)	85%
	-15°C(5°F)	65%
Self-Discharge at 25°C(77°F)	Capacity after 3 month storage	91%
	Capacity after 6 month storage	82%
	Capacity after 12 month storage	64%
Terminal	T9, T16	
Charge (constant Voltage)	Cycle	Initial Charging Current less than 13.75 A Voltage 14.10-14.40V
	Float	Voltage 13.50-13.80V

### Discharge Curves 25°C(77°F)



Time		10min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	A	108.9	60.0	32.7	19.0	14.2	11.0	9.1	6.4	5.7	3.1
	W	1154	638	350	206	155	121	100.1	70.7	67.2	35.1
10.20V	A	103.4	59.4	30.8	18.2	13.8	10.7	8.9	6.3	5.4	3.1
	W	1137	656	342	203	155	122	101	71	65	35
10.50V	A	97.9	55.6	30.0	17.7	13.4	10.6	8.8	6.2	5.2	3.0
	W	1096	625	339	202	154	121	101	71	65	35
10.80V	A	92.4	51.2	28.9	17.3	13.1	10.4	8.6	6.0	5.0	3.0
	W	1049	583	331	199	152	121	100	70	64	35
11.10V	A	86.9	45.7	27.2	16.8	12.7	10.1	8.4	5.9	4.9	3.0
	W	999	527	316	197	149	119	99	69	63	35