

CTP 34012FT



Product features

- Maintenance free battery, no need for watering
- Front terminal design-easy access for faster installation (19"/23" racks) and maintenance
- Specific environmentally friendly formation process
- Analytical grade electrolyte
- Spill & leak proof construction
- Safety valves, integrated backfire protection
- Container and lid made from ABS (UL 94 V-0 version available on request)
- Low self-discharge
- Non dangerous good according to FAA und IATA classification
- Complies with the following standards: IEC 60896-21/22, EUROBAT



Specification

Nominal voltage	12 V
Nominal power	340 Wpc (C_{15min} @ 25°C / 77°F)
EUROBAT-Classification	Long Life
Operating temperature	-20°C to 60°C (-4°F to 140°F) Charging: 0°C to 50°C (32°F to 122°F)
Grid alloy	Lead-calcium-tin
Electrode design	Flat grid, pasted
Separator	Absorbent Glass Mat (AGM)
Active material	High purity lead and lead dioxide
Container and lid	ABS UL 94 HB (V-0 version on request)
Charge voltage	Float charging: 2.275 Vpc @25°C (77°F) Cyclic use: 2.45 Vpc
	Maximum ripple: 0.05 C (A)
Electrolyte	Purified high grade sulfuric acid
Safety valve	EPDM rubber
Central degassing	Yes
Terminal	M8



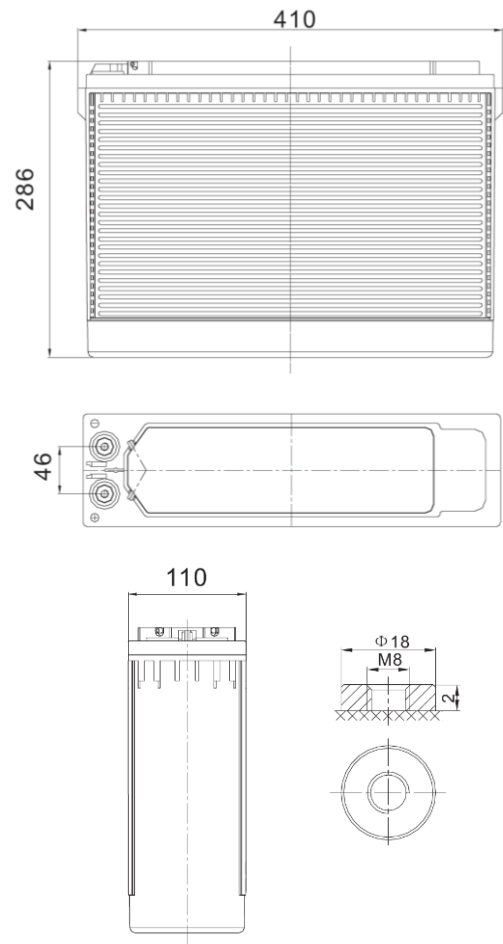
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Physical data

Nominal voltage		12 V	
Nominal capacity		110 Ah (C _{10h} @ 1.80 Vpc)	
Dimension (±2 mm/ ±0.08 inch)	Length	410 mm	16.1 inches
	Width	110 mm	4.33 inches
	Height	286 mm	11.3 inches
	Weight	33.0 kg	72.75 lbs.

Electrical data

Capacity 20°C (68°F) to 1.7 Vpc	20 h	118 Ah
	10 h	113 Ah
	5 h	98.5 Ah
	1 h	62.8 Ah
	15 min	43.9 Ah
Internal resistance		4.8 mΩ
Impedance		-
Temperature correction factors	40°C (104°F)	102%
	20°C (68°F)	100%
	0°C (32°F)	85%
	-15°C (5°F)	65%
Self-discharge at 20°C (68°F) - capacity after	1 month storage	98%
	3 months storage	94%
	6 months storage	86%
Short circuit current	A @ 20°C (68°F)	-
Terminal	Standard	M8
	Optional	-
Charging voltage	Cyclic	2.45 Vpc
	Float charging	2.275 Vpc 25°C (77°F)



Constant current discharge – A @ 25°C (77°F)

Uf Vpc	5 min	10 min	15 min	30 min	60 min	2 h	3 h	5 h	8 h	10 h	20 h
1.85	163.0	163.0	125.4	86.1	52.2	32.0	25.4	17.4	12.4	10.4	5.48
1.80	196.4	196.4	151.1	100.0	58.2	34.9	27.5	18.7	13.2	11.0	5.77
1.75	212.7	212.7	163.6	104.6	60.5	36.2	28.4	19.2	13.4	11.1	5.83
1.70	228.6	228.6	175.9	109.4	62.8	37.5	29.3	19.7	13.6	11.3	5.90
1.65	244.1	244.1	187.8	114.5	64.9	38.8	30.1	-	-	-	-
1.60	255.3	255.3	196.4	119.2	67.2	40.0	31.0	-	-	-	-

Constant power discharge – Watt per cell @25°C (77°F)

Uf Vpc	5 min	10 min	15 min	30 min	60 min	2 h	3 h	5 h	8 h	10 h	20 h
1.85	306.3	306.3	235.6	164.5	101.0	62.1	49.6	34.2	24.4	20.5	10.9
1.80	363.9	363.9	279.9	189.1	112.0	67.4	53.4	36.6	25.9	21.7	11.4
1.75	388.6	388.6	299.0	195.9	115.8	69.6	54.9	37.4	26.3	22.0	11.5
1.70	411.6	411.6	316.7	202.8	119.4	71.8	56.4	38.2	26.6	22.3	11.7
1.65	433.0	433.0	333.1	210.1	122.7	73.8	57.7	-	-	-	-
1.60	446.3	446.3	343.3	216.6	126.3	75.9	59.3	-	-	-	-