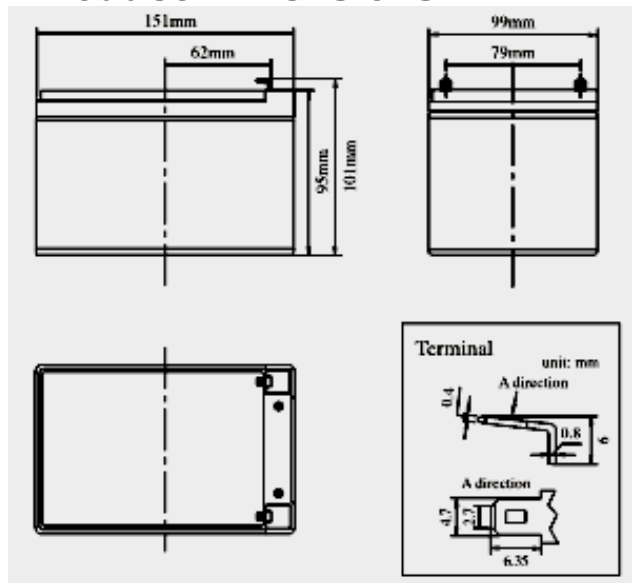


Product Image



Product Dimensions



Characteristics

Nominal Voltage		12V
Nominal Capacity (20 hour rate)		12Ah
Capacity 25°C (77°F)	10 hour rate (1.14A)	11.4Ah
	5 hour rate (2.14A)	10.7Ah
	1 hour rate (7.92A)	7.92Ah
Internal Resistance	Full Charged Battery 25°C	≤14m Ω
Capacity affected by Temperature (10 hour)	40°C (104°F)	102%
	25°C (77°F)	100%
	0°C (32°F)	85%
Self-Discharge 25°C (77°F) Capacity	after 3 month storage	90%
	after 6 month storage	80%
	after 12 month storage	62%
Charge (Constant Voltage) 25°C (77°F)	Float	Initial Charging Current Less than 3.6A Voltage 13.6-13.8V
	Cycle	Initial Charging Current Less than 3.6A Voltage 14.4-15.0V

Packaging

Battery Dimensions	Length	152mm
	Width	99mm
	Height	96mm
	Total Height	102mm
Box Dimensions	Length	325mm
	Width	218mm
	Height	141mm
Quantity Per Box		4 pcs per box
Net weight Per Cell		3.20 kg±150g
Net weight Per Box		12.8kg
Gross Weight		13.3kg

Discharge Constant Current per Cell (Amperes at 77°F 25°C)

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	41.7	32.9	24.2	13.78	9.81	8.00	4.95	3.39	2.26	1.52	1.26	0.66
1.65V	40.5	32.0	23.5	13.41	9.55	7.73	4.86	3.33	2.22	1.49	1.23	0.65
1.70V	39.4	31.2	22.9	13.04	9.29	7.45	4.77	3.27	2.18	1.46	1.21	0.64
1.75V	38.3	30.3	22.2	12.67	9.02	7.18	4.68	3.21	2.14	1.44	1.19	0.62
1.80V	37.2	29.4	21.6	12.30	8.76	6.90	4.50	3.08	2.06	1.38	1.14	0.60

Discharge Constant Power per Cell (Watts at 77°F 25°C)

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	80.2	63.4	46.6	26.52	18.89	15.41	9.53	6.53	4.35	2.93	2.42	1.27
1.65V	78.1	61.7	45.3	25.81	18.38	14.88	9.36	6.41	4.27	2.87	2.37	1.25
1.70V	75.9	60.0	44.1	25.10	17.87	14.35	9.18	6.29	4.20	2.82	2.33	1.22
1.75V	73.8	58.3	42.8	24.39	17.37	13.81	9.01	6.17	4.12	2.77	2.29	1.20
1.80V	71.6	56.6	41.6	23.68	16.86	13.28	8.66	5.94	3.96	2.66	2.20	1.16

Note The above data are average values, and can be obtained within 3 charge/discharge cycles. These are not minimum values. Cell and battery designs/specifications are subject to modification without notice. Contact **TIGERCENTURY** for the latest information.

Performance Characteristics

Battery Construction

Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	ABS	Si-Rubber	Copper	Fiberglass	Sulfuric acid