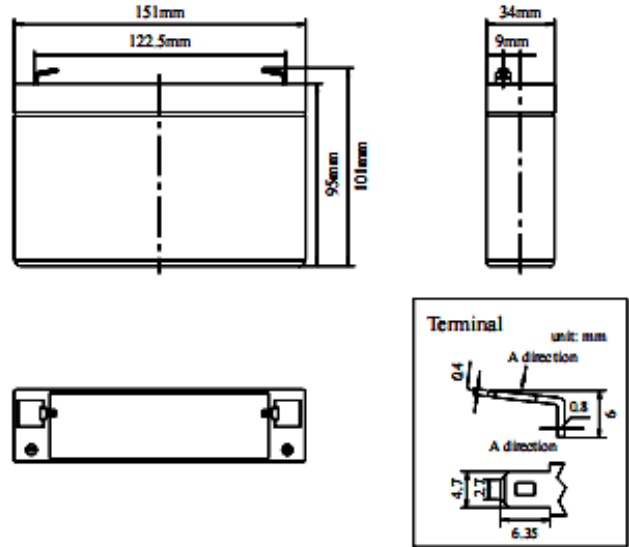


JAPATOYO® Solar colloid storage battery(GEL) 3FMTJ10(6V10Ah)

Product Image



Product Dimensions



Characteristics

Nominal Voltage		6V
Nominal Capacity (20 hour rate)		10Ah
Capacity 25°C (77 °F)	10 hour rate (0.93A)	9.3Ah
	5 hour rate (1.77A)	8.8Ah
	1 hour rate (6.6A)	6.6Ah
Internal Resistance	Full Charged Battery 25°C	≤16mΩ
Capacity affected by Temperature (10 hour)	40°C (104 °F)	102%
	25°C (77 °F)	100%
	0°C (32 °F)	85%
	-15°C (5 °F)	65%
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 2.1A Voltage 6.8-6.9V
	Cycle	Initial Charging Current Less than 2.1A Voltage 7.2-7.5V

Packaging

Battery Dimensions	Length	151mm
	Width	34mm
	Height	95mm
	Total Height	101mm
Box Dimensions	Length	409mm
	Width	165mm
	Height	141mm
Quantity Per Box		10 pcs per box
Net weight Per Cell		1.15 kg±50g
Net weight Per Box		11.5kg
Gross Weight		12.0kg

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

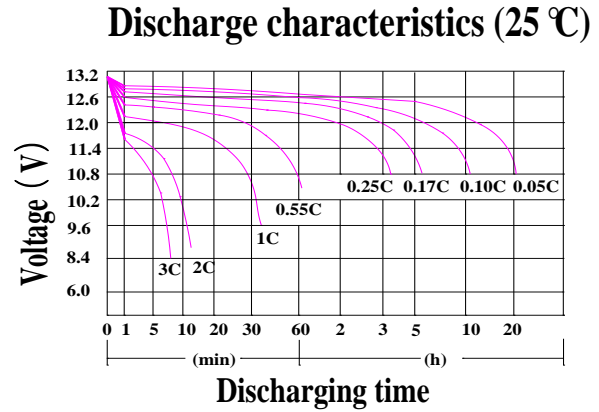
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	23.10	15.40	11.59	7.70	5.39	4.62	2.89	1.98	1.32	0.89	0.73	0.39
1.65V	22.68	15.12	11.38	7.56	5.29	4.54	2.84	1.94	1.30	0.87	0.72	0.38
1.70V	22.26	14.84	11.17	7.42	5.19	4.45	2.78	1.91	1.27	0.85	0.71	0.37
1.75V	21.84	14.56	10.96	7.28	5.10	4.37	2.73	1.87	1.25	0.84	0.69	0.36
1.80V	21.00	14.00	10.53	7.00	4.90	4.20	2.63	1.80	1.20	0.81	0.67	0.35

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	44.47	29.65	22.31	14.82	10.38	8.89	5.56	3.81	2.54	1.71	1.41	0.74
1.65V	43.66	29.11	21.90	14.55	10.19	8.73	5.46	3.74	2.49	1.68	1.39	0.73
1.70V	42.85	28.57	21.49	14.28	10.00	8.57	5.36	3.67	2.45	1.65	1.36	0.71
1.75V	42.04	28.03	21.09	14.01	9.81	8.41	5.26	3.60	2.40	1.61	1.33	0.70
1.80V	40.43	26.95	20.28	13.48	9.43	8.09	5.05	3.46	2.31	1.55	1.28	0.67

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 **MCA** 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	Lead	Fiberglass	Colloid(GEL)