

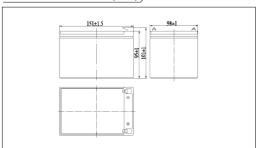
Applications



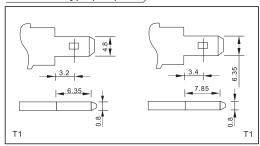
Specifications

Nomina	al Voltage	12V				
Rated capaci	ty (20 hour rate)	12Ah				
Dimensions	Length	151±1.5mm(5.94inch)				
	Width	98±1mm(3.86inch)				
	Height	95±1mm(3.74inch)				
	Total Height	101±1mm(3.98inch)				
Approx	c. Weight	3.65 kg $(8.05$ lbs $)\pm4\%$				

Outer dimensions (mm)



Terminal Type (mm)



Characteristics

Capacity	20HR(10.5V)	12Ah					
(25 C)	10HR(10.5V)	11.7Ah					
, ,	1HR(9.60V)	8Ah					
Term	inal type	T2/T1					
Internal resistance (Fully charged,25 C)		Approx.16m Ω					
Capacity	40 C	102%					
affected by	, 25 C	100%					
temperatur	e 0 C	85%					
(20HR)	-15 C	65%					
	3month	Remaining Capacity:91%					
Self-discharg (25 C)	e 6month	Remaining Capacity:82%					
(200)	12month	Remaining Capacity:65%					
	operating erature	25℃ ±3℃(77°F ±5°F)					
Operating	Discharge	-15℃~50℃(5°F~122°F)					
temperatur	e Charge	-10℃~50℃(14°F~122°F)					
range	Storage	-20℃~50℃(-4°F~122°F)					
Float chargir	ng voltage(25 C)	13.50 to 13.80V Temperature compensation: -18mV/℃					
Cyclic chargi	ng voltage(25 C)	14.50 to 15.00V Temperature compensation: -30mV/℃					
Maximum c	harging current	3.6A					
Maximum di	scharge current	180A(5 sec.)					
Designed flo	oating life(20 C)	5 years					

Unique Features

- Longer shelf life
- √ No water topping up throughout the life
- Good cycling performance
- √ AGM Technology for efficient Gas Recombination

Construction

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

Constant Current Discharge Characteristics Unit:A(25℃,77℉)

F.V/Time	5min	10min	15min	30min	60min	2h	3h	4h	5h	@C10	@20h
9.60V	47.8	30.3	23.6	13.3	8.19	4.48	3.10	2.56	2.18	1.18	0.63
9.90V	46.3	29.3	23.1	13.0	8.06	4.45	3.08	2.55	2.17	1.18	0.63
10.2V	44.4	28.1	22.2	12.6	7.86	4.41	3.06	2.53	2.15	1.17	0.63
10.5V	42.5	26.9	21.5	12.3	7.70	4.35	3.04	2.51	2.14	1.17	0.63
10.8V	40.1	25.4	20.3	11.9	7.47	4.24	2.95	2.44	2.07	1.14	0.61

■ Constant Power Discharge Characteristics Unit:W(25°C,77°F)

F.V/Time	5min	10min	15min	30min	60min	2h	3h	4h	5h	@C10	@C20
9.60V	533	341	269	153	94.8	52.4	36.8	30.5	26.0	14.2	7.61
9.90V	517	331	263	150	93.4	52.1	36.6	30.3	25.9	14.1	7.58
10.2V	496	317	253	145	91.0	51.6	36.3	30.1	25.7	14.1	7.55
10.5V	474	304	245	141	89.2	50.9	36.1	29.9	25.5	14.0	7.50
10.8V	448	287	232	136	86.5	49.6	35.0	29.0	24.8	13.7	735

Note: The above characteristics data can be obtained within three charge or discharge cycles.

