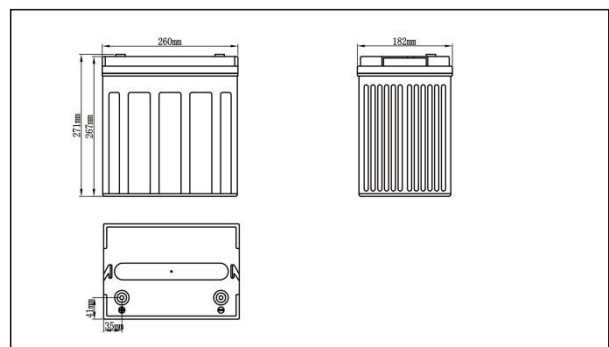


EV170-8 [8V170Ah]

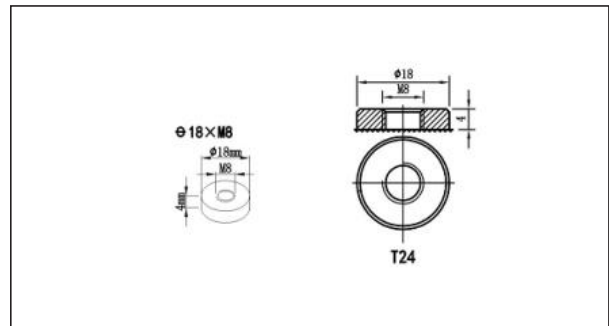
Specifications

Nominal Voltage		8V
Rated capacity (10 hour rate)		170Ah
Dimensions	Length	260±3mm(10.24inch)
	Width	182±2mm(7.17inch)
	Height	267±2mm(10.51inch)
	Total Height	271±2mm(10.67inch)
Approx. Weight		32.0kg(70.55lbs)

Outer dimensions (mm)



Terminal Type (mm)



Construction

Component	Positive plate	Negative plate	Container	C over	Separator	Electrolyte	Safety valve	Terminal
Raw material	Lead dioxide	Lead	ABS	ABS	AGM	GEL	Rubber	Copper

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

F.V/Time	10min	15min	30min	45min	1h	1.5h	2h	3h	5h	8h	10h	20h
6.40	397	299	158	142	99	78	65	43.3	30.0	21.0	17.0	8.61
6.80	360	271	143	133	94	74	62	41.2	28.6	20.2	16.7	8.44
7.00	330	254	138	127	90	71	59	40.0	27.3	19.1	16.4	8.37
7.20	300	237	133	123	86	68	57	38.6	26.1	18.1	16.0	8.26

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

F.V/Time	10min	15min	30min	45min	1h	1.5h	2h	3h	5h	8h	10h	20h
6.40	2287	1646	1035	754	644	469	352	276	178	132	110	57.3
6.80	2074	1493	939	704	613	447	336	263	170	127	107	56.1
7.00	1761	1340	917	689	603	440	325	255	164	125	104	54.6
7.20	1643	1280	896	665	575	420	315	248	159	123	99	53.1

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

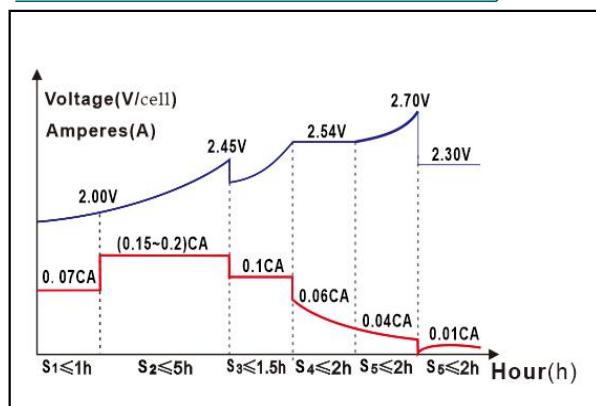


Characteristics

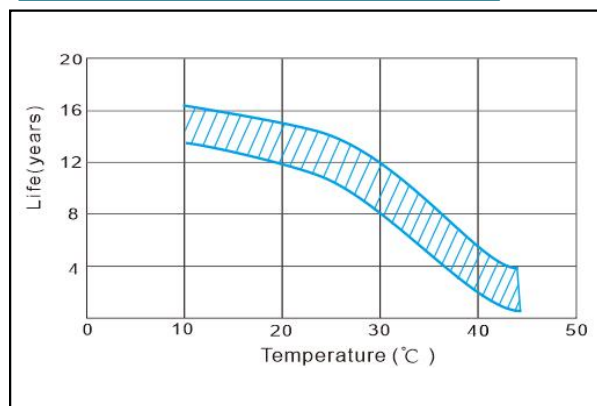
Capacity (25 °C)	20HR(7.20V)	170.0Ah
	10HR(7.20V)	160.0Ah
	5HR(7.20V)	99.0Ah
Terminal type		T24(M8)
Internal resistance (Fully charged, 25°C)		Approx.2.59m Ω
Capacity affected by temperature (20HR)	40°C	103%
	25°C	100%
	0°C	86%
Self-discharge (25°C)	3month	Remaining Capacity:91%
	6month	Remaining Capacity:82%
	12month	Remaining Capacity:65%
Nominal operating temperature		25°C±3°C(77 °F±5°F)
Operating temperature range	Discharge	-15 °C~50°C(5 °F~ 122 °F)
	Charge	-10 °C~50°C(14 °F~ 122 °F)
	Storage	-20 °C~50°C(-4 °F~ 122 °F)
Float charging voltage(25°C)		9.10 to 9.20V Temperature compensation: -18mV/ °C
Cyclic charging voltage(25°C)		9.75 to 9.85V Temperature compensation: -30mV/ °C
Maximum charging current		32A
Maximum discharge current		480A(5 sec.)



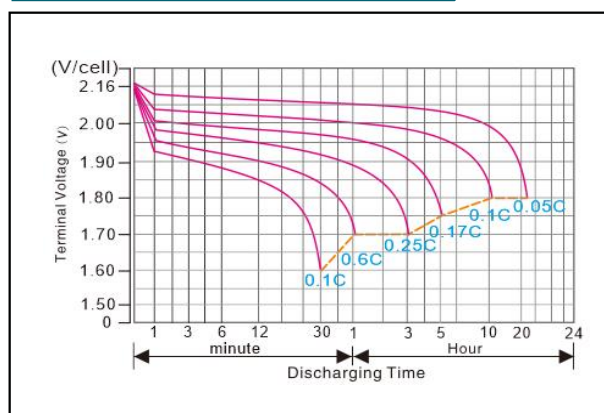
● Charge Characteristic Curve for Cycle Use(IUUU)



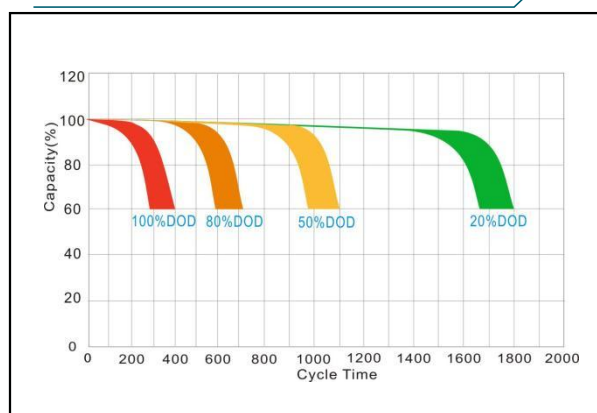
● Effect of temperature on long term float life



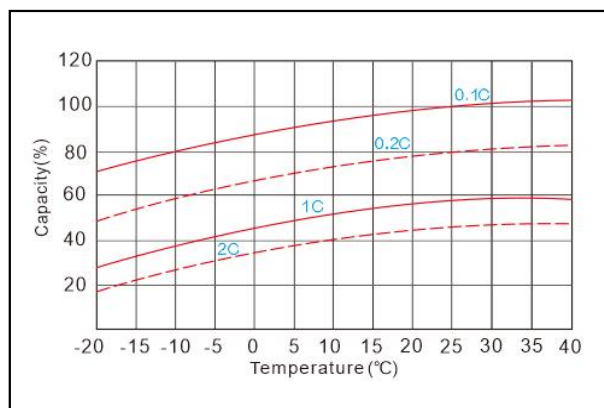
● Discharge Characteristic (25°C/77°F)



● Cycle Life in Relation to Depth of Discharge



● Capacity Curve At Different Temperature



● Self Discharge Characteristics

