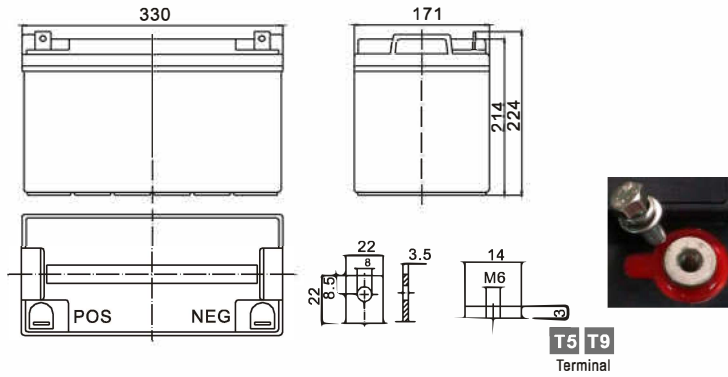


Gel Series

AVBSL12-100GEL 12V100Ah

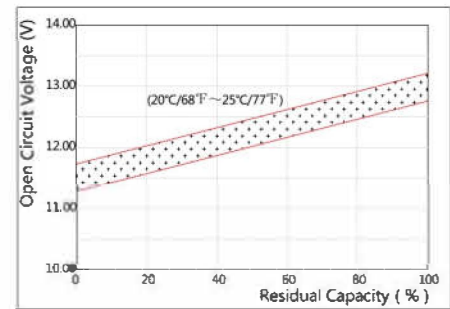
Dimension(mm)



Specification

Nominal Voltage		12 V
Capacity(10HR, 25 °C)		100 Ah
Dimension	Length	330mm (13.0inch)
	Width	171mm (6.7inch)
	Height	214mm (8.4inch)
	Total Height(T5/T9)	224mm(8.8inch)/220mm(8.7inch)
Approx. Weight		31.5kg (69.3lbs)

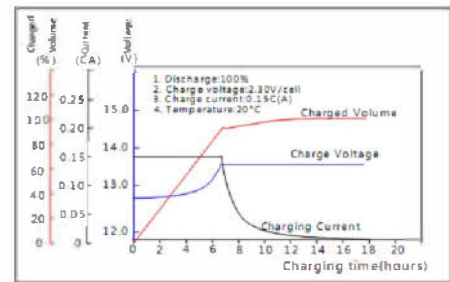
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



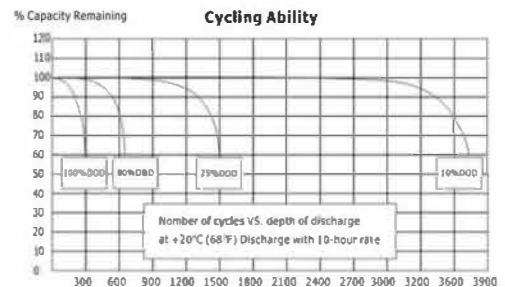
Characteristics

Capacity 20 (68H) To 1.70V/Cell	20 hour rate	107Ah
	10 hour rate	100Ah
	5 hour rate	91Ah
	1 hour rate	63Ah
	15 min rate	42.5Ah
Internal resistance(Fully charged, 25 °C)		Approx. 4.5m
Capacity affected by temperature (10HR)	40	102%
	25	100%
	0	85%
	-15	65%
Self-discharge (25 °C)	3 month	Remaining Capacity: 91%
	6 month	Remaining Capacity: 82%
	12 month	Remaining Capacity: 65%
Nominal operating temperature		25 3 (77H 5H)
Operating temperature range		-15 ~50 (5H ~122H)
Float charging voltage(25 °C)		13.60 to 13.80V
Cyclic charging voltage(25 °C)		14.50 to 14.90V
Maximum charging current		30A
Terminal material		Copper
Maximum discharge current		800A(5 sec.)

Charging Characteristics(25°C)



Cycle Life(25°C)



Constant Current Discharge Characteristics (A, 25°C)

F.V/TIME	5min	10min	15min	30min	60min	3h	5h	10h	20h
9.60V	326	224	177	109	65.7	26.4	18.5	10.3	5.35
10.2V	310	213	170	105	63.0	26.0	18.2	10.2	5.35
10.8V	291	200	161	99.5	59.9	25.5	17.8	10.0	5.30

Constant Power Discharge Characteristics (Watt, 25°C)

F.V/TIME	5min	10min	15min	30min	60min	3h	5h	10h	20h
9.60V	3423	2419	1943	1223	749	310	219	123	64.2
10.2V	3252	2298	1866	1174	719	306	215	122	64.2
10.8V	3057	2160	1772	1115	683	300	210	119	63.6