

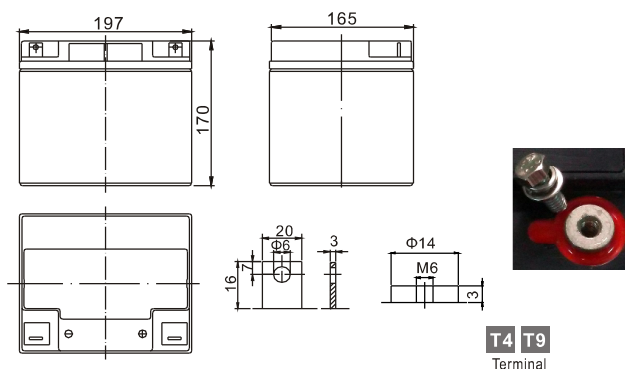
Gel Series

BSL12-40GEL 12V40Ah

3BDS®

BATTERY

Dimension (mm)



T4 T9
Terminal

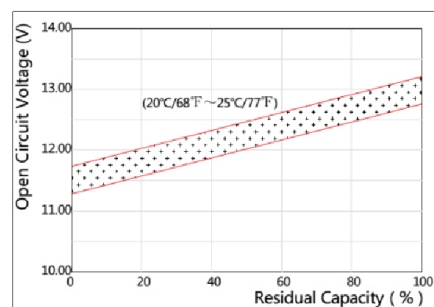
Specification

Nominal Voltage		12 V
Capacity(10HR, 25°C)		40Ah
Dimension	Length	197mm (7.8inch)
	Width	165mm (6.5inch)
	Height	170mm (6.7inch)
	Total Height(T4/T9)	170mm(6.7inch)/170mm(6.7inch)
Approx. Weight		13.8kg (30.4lbs)

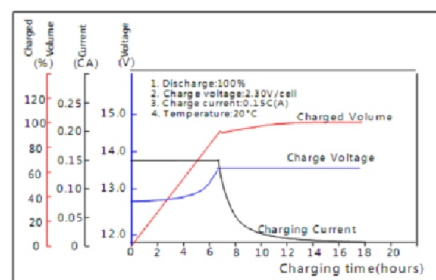
Characteristics

Capacity 20°C (68°F) To 1.70V/Cell	20 hour rate	41.4Ah
	10 hour rate	40Ah
	5 hour rate	32.8Ah
	1 hour rate	23.8Ah
	15 min rate	14.6Ah
Internal resistance(Fully charged, 25°C)		Approx. 10.5mΩ
Capacity affected by temperature (10HR)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (25°C)	3 month	Remaining Capacity: 91%
	6 month	Remaining Capacity: 82%
	12 month	Remaining Capacity: 65%
Nominal operating temperature		25°C±3°C(77°F±5°F)
Operating temperature range		-15°C~50°C(5°F~122°F)
Float charging voltage(25°C)		13.60 to 13.80V
Cyclic charging voltage(25°C)		14.10 to 14.40V
Maximum charging current		10A
Terminal material		Copper
Maximum discharge current		400A(5 sec.)

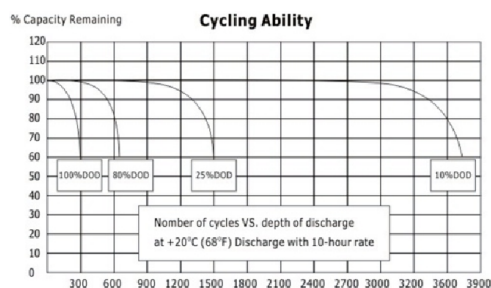
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



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	86.4	66.0	60.8	39.2	24.8	9.74	6.66	4.06	2.09
10.2V	82.1	62.7	58.4	37.6	23.8	9.60	6.56	4.02	2.07
10.8V	77.2	58.9	55.4	35.8	22.6	9.41	6.43	4.00	2.06

Constant Power Discharge Characteristics (Watt, 25°C)

	5min	10min	15min	30min	60min	3h	5h	10h	20h
907	713	668	440	283	115	78.7	48.5	25.1	
862	677	641	422	271	113	77.5	48.0	24.9	
810	637	609	401	258	111	76.0	47.8	24.7	

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