

Standard Series

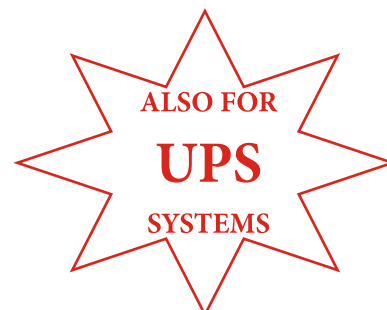
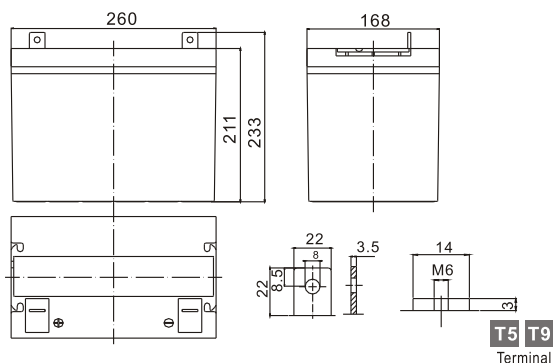
BSL12-70

12V70Ah

3BDS®

BATTERY

Dimension(mm)



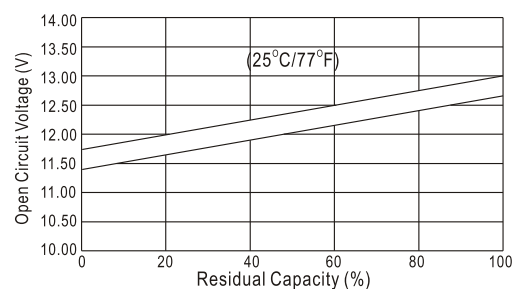
Specification

Nominal Voltage		12 V
Capacity(10HR, 25 °C)		70Ah
Dimension	Length	260mm (10.2inch)
	Width	168mm (6.6inch)
	Height	211mm (8.3inch)
	Total Height(T5/T9)	233mm (9.2inch)/214mm (8.4inch)
Approx. Weight		22.2kg (48.8lbs)

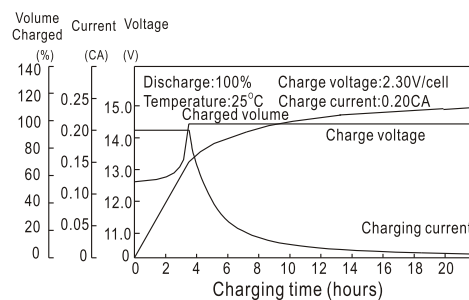
Characteristics

Capacity 20 (68H) To 1.70V/Cell	20 hour rate	74Ah
	10 hour rate	70Ah
	5 hour rate	63Ah
	1 hour rate	42.8Ah
	15 min rate	28Ah
Internal resistance(Fully charged, 25 °C)		Approx.5.5m
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 °C (77°F ~ 59°F)
Operating temperature range		-15 ~ 50 °C (5°F ~ 122°F)
Float charging voltage(25 °C)		13.60 to 13.80V
Cyclic charging voltage(25 °C)		14.50 to 14.90V
Maximum charging current		21A
Terminal material		Copper
Maximum discharge current		700A(5 sec.)

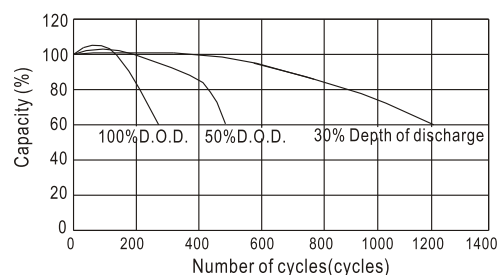
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



Charging Characteristics(25°C)



Cycle Life(25°C)



Constant Current Discharge Characteristics (A, 25°C)

FV/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	147	116	70.0	43.4	25.6	17.9	14.6	12.5	8.57	7.13	3.74
9.90V	143	113	68.6	42.7	25.4	17.7	14.6	12.4	8.52	7.11	3.73
10.2V	137	109	66.5	41.7	25.2	17.6	14.5	12.3	8.46	7.09	3.72
10.5V	131	105	64.9	40.8	24.8	17.5	14.4	12.3	8.40	7.05	3.70
10.8V	123	99.3	62.5	39.6	24.2	17.0	13.9	11.9	8.15	7.00	3.68

Constant Power Discharge Characteristics (Watt, 25°C)

FV/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	1588	1268	785	495	296	210	172	148	102	85.1	44.9
9.90V	1540	1238	770	487	294	209	171	147	101	84.9	44.8
10.2V	1476	1192	746	475	292	207	170	146	100	84.7	44.7
10.5V	1413	1152	728	466	287	206	169	145	99.8	84.2	44.4
10.8V	1334	1091	701	451	280	200	164	140	96.8	83.6	44.1