

SBL 120-12i(sh) (12V 120Ah)

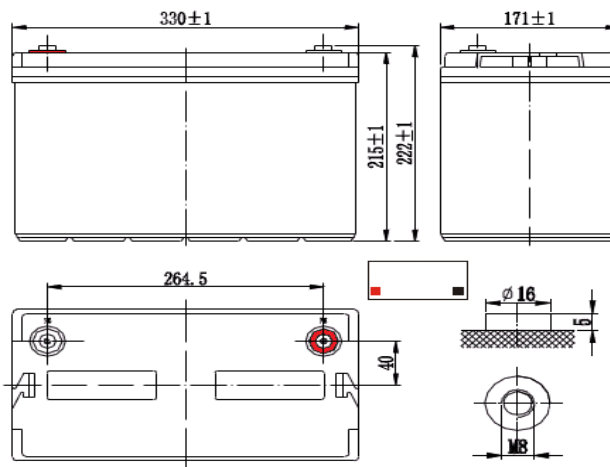
High Performance battery with 10-12 years design life (EUROBAT)

Status: 08-2014

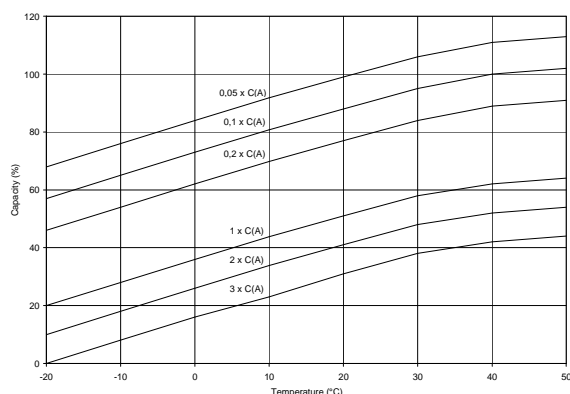
Specifications

Nominal Voltage		12V
Capacity (10hr@25°C@1.80V/C)		120Ah
Dimensions	Length	330mm (12.99inch)
	Width	171mm (6.73inch)
	Height	215mm (8.46inch)
	Total Height	222mm (8.74inch)
Approx. Weight		32kg (70.55lbs)
Maximum charging current		36A
Maximum discharge current		880A (5sec.)
Internal resistance (Fully charged, 25°C)		Approx. 4mΩ
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 (77°F)
Operating temperature range		-15°C ~ 50°C (5°F ~ 122°F)
Float charging voltage (25°C)		13.65 to 13.80V
Cyclic charging voltage (25°C)		14.50 to 14.90V
Absorbent glass mat technology		
ABS (UL94-HB) container		Recognized by UL & CE

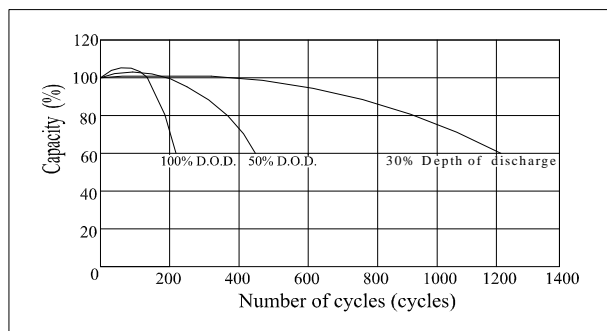
Dimensions



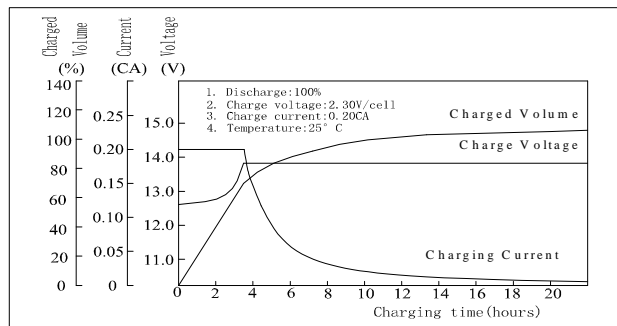
Temperature Effects in Relation to Battery Capacity



Cycle Life (25°C)



Charging Characteristics (25°C)



Constant Current Discharge Characteristics (Ampere per Battery, 25°C)

F.V./TIME	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	279,16	215,12	124,91	74,91	43,93	32,16	24,51	21,06	14,07	12,40	6,55
9.90V	270,84	209,48	122,12	73,91	43,06	31,52	23,97	20,09	14,05	12,30	6,50
10.2V	262,53	199,85	119,33	73,27	42,59	31,01	23,43	20,04	14,03	12,20	6,44
10.5V	246,06	189,46	117,82	72,39	42,03	30,05	23,29	20,01	13,67	12,10	6,38
10.8V	223,44	179,58	113,35	71,34	41,69	28,45	22,56	19,42	12,97	12,01	6,30

Constant Power Discharge Characteristics (Watt per Battery, 25°C)

F.V./TIME	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	3030,88	2394,39	1379,33	823,75	456,25	351,66	288,04	239,39	160,46	142,28	75,65
9.90V	2859,37	2348,34	1366,74	812,22	448,47	346,43	283,34	237,28	161,10	141,12	74,34
10.2V	2656,86	2312,29	1353,14	796,69	440,70	344,19	281,64	235,78	161,74	139,89	72,96
10.5V	2499,06	2221,10	1326,06	782,63	442,97	341,20	277,02	233,82	158,18	138,50	71,58
10.8V	2443,78	2054,41	1295,72	773,32	434,17	338,20	268,70	232,89	153,66	137,06	70,89

All mentioned values are average values.