

SBL 66-12HR

(312w/cell)

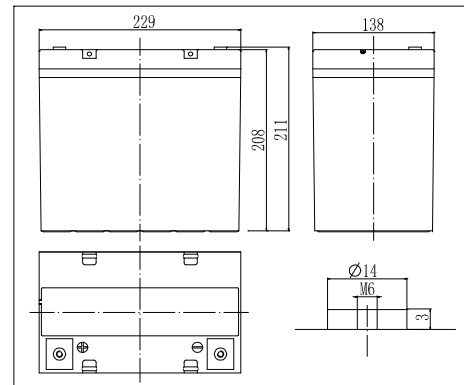
High Performance battery with 10-12 years design life (EUROBAT)

Status: 08-2009

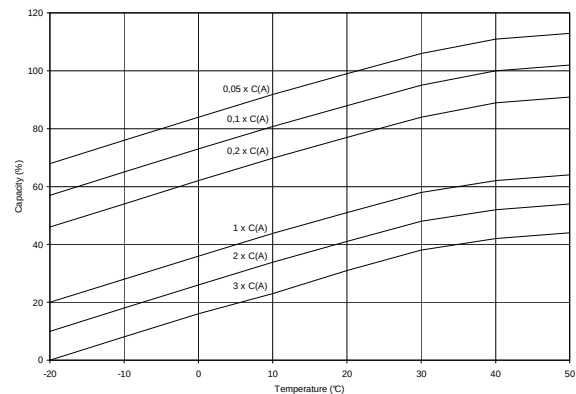
Specifications

Nominal Voltage		12V
Capacity (25°C@1.60V/C)		312W@10min-rate
Dimensions	Length	229mm (9.02inch)
	Width	138mm (5.43inch)
	Height	208mm (8.19inch)
	Total Height	211mm (8.31inch)
Approx. Weight		18kg (39.6lbs)
Maximum charging current		16.5A
Maximum discharge current		550A (5sec.)
Internal resistance (Fully charged, 25°C)		Approx. 8mΩ
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)		13.65 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

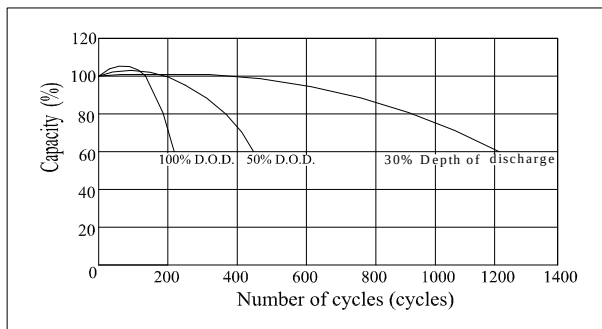
Dimensions



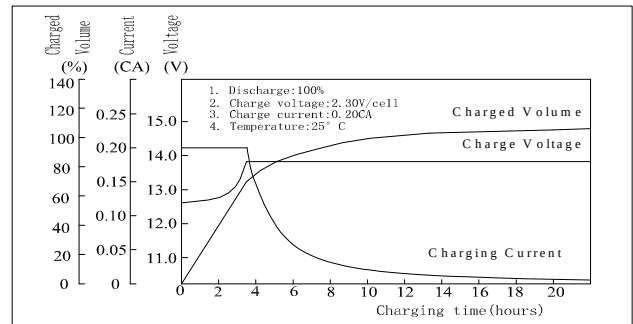
Temperature Effects in Relation to Battery Capacity



Cycle Life (25°C)



Charging Characteristics (25°C)



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

F.V/TIME	2min	4min	6min	8min	10min	15min	20min	30min	60min	90min
9.60V	407,30	304,06	236,92	202,51	174,28	128,58	103,63	73,36	39,13	31,21
9.90V	379,62	284,25	221,18	191,87	164,84	123,05	97,59	70,64	37,67	30,14
10.2V	367,78	275,84	214,40	187,26	160,77	120,71	94,99	69,45	37,03	29,60
10.5V	348,62	261,51	207,34	180,25	152,90	116,53	93,55	68,36	36,92	29,22
10.8V	329,46	247,07	200,23	173,14	144,97	112,25	92,05	67,22	36,76	28,90

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

F.V/TIME	2min	4min	6min	8min	10min	15min	20min	30min	60min	90min
9.60V	4382,72	3271,89	2549,40	2179,34	1872,13	1383,73	1132,18	802,06	427,85	342,28
9.90V	4085,13	3059,28	2379,44	2064,21	1773,68	1324,41	1066,38	772,06	411,70	329,04
10.2V	3957,82	2968,21	2306,65	2015,47	1729,74	1298,75	1037,80	759,02	404,60	322,91
10.5V	3751,30	2813,64	2230,96	1939,15	1644,76	1253,53	1022,19	746,96	402,99	319,68
10.8V	3545,11	2658,43	2154,64	1863,47	1559,78	1208,00	1006,23	734,57	400,73	316,45

All mentioned values are average values.