

SBL 125-12HR

(583w/cell)

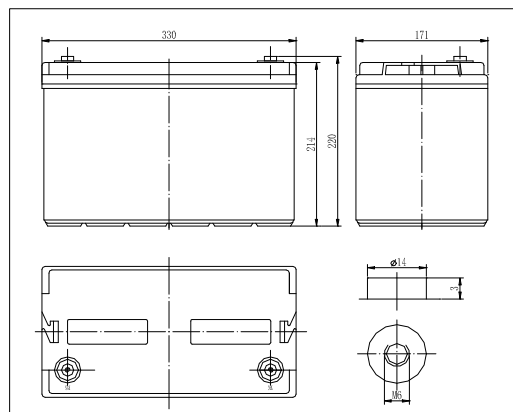
High Performance battery with 10-12 years design life (EUROBAT)

Status: 08-2009

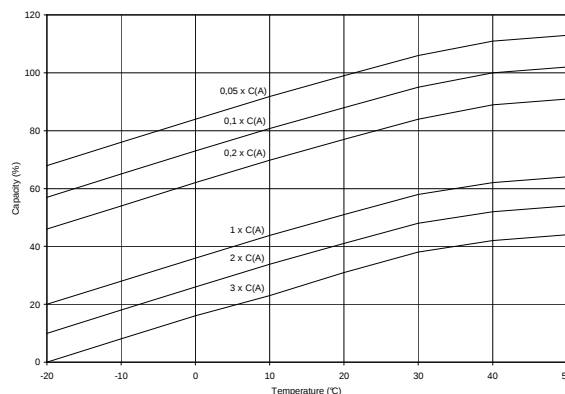
Specifications

Nominal Voltage		12V
Capacity (25°C@1.60V/C)		583W@10min-rate
Dimensions	Length	330mm (12.99inch)
	Width	171mm (6.73inch)
	Height	214mm (8.43inch)
	Total Height	220mm (8.66inch)
Approx. Weight		32kg (70.4lbs)
Maximum charging current		30A
Maximum discharge current		1000A (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 ±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

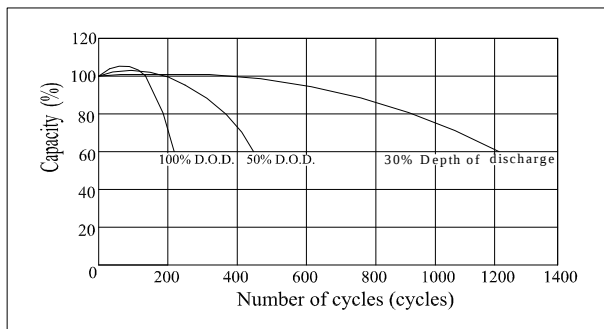
Dimensions



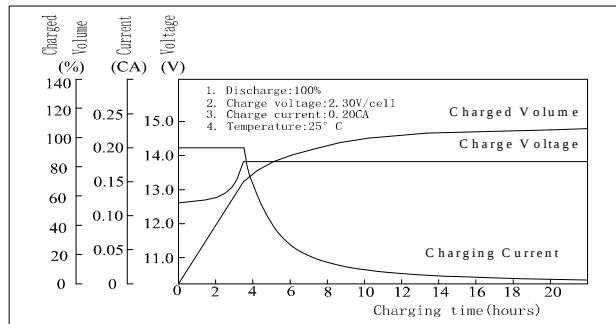
Temperature Effects in Relation to Battery Capacity



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	761,50	568,49	442,96	378,62	325,85	238,20	190,19	135,95	71,83	57,30
9.90V	709,74	531,45	413,53	358,73	308,19	227,94	179,11	130,91	69,16	55,33
10.2V	687,62	515,72	400,84	350,10	300,58	223,62	174,33	128,69	67,97	54,34
10.5V	651,80	488,93	387,65	337,01	285,87	215,88	171,69	126,68	67,78	53,65
10.8V	615,98	461,93	374,36	323,72	271,05	207,93	168,94	124,57	67,48	53,06

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

F.V/TIME	2min	4min	6min	8min	10min	15min	20min	30min	60min	90min
9.60V	8194,11	6117,25	4766,46	4074,57	3500,20	2563,34	2077,93	1486,33	785,46	628,37
9.90V	7637,72	5719,75	4448,69	3859,33	3316,14	2453,44	1957,17	1430,75	755,82	604,06
10.2V	7399,70	5549,48	4312,60	3768,20	3234,00	2405,92	1904,72	1406,58	742,78	592,80
10.5V	7013,59	5260,49	4171,10	3625,51	3075,12	2322,16	1876,05	1384,22	739,81	586,87
10.8V	6628,07	4970,31	4028,41	3484,01	2916,23	2237,80	1846,78	1361,26	735,66	580,94

All mentioned values are average values.