

SBLFT 55-12i

(12V 55Ah)

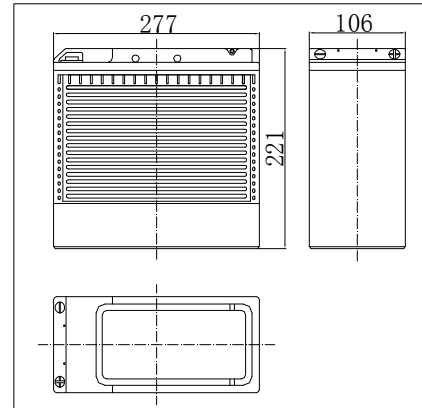
High Performance battery with 12 years design life (EUROBAT)

Status: 12-2014

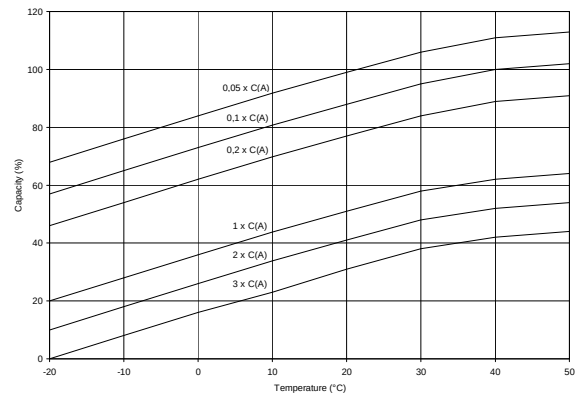
Specifications

Nominal Voltage		12V
Capacity (10hr@25°C@1.75V/C)		56Ah
Dimensions	Length	277mm (10.91inch)
	Width	106mm (4.17inch)
	Height	221mm (8.70inch)
	Total Height	221mm (8.70inch)
Approx. Weight		18kg (39.7lbs)
Maximum charging current		16.5A
Maximum discharge current		275A (5sec.)
Internal resistance (Fully charged, 25°C)		Approx. 6mΩ
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

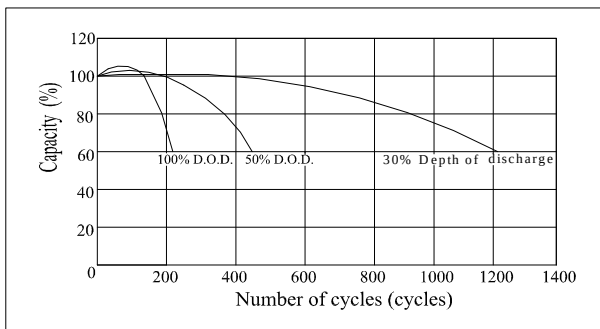
Dimensions



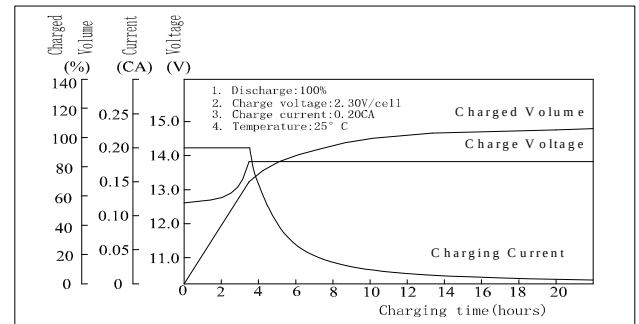
Temperature Effects in Relation to Battery Capacity



Cycle Life (25°C)



Charging Characteristics (25°C)



Constant Current Discharge Characteristics (Ampere, 25°C)

F.V/TIME	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	63,3	35,8	21,9	14,4	11,9	9,4	6,8	5,7	3,0
9.90V	62,2	35,6	21,8	14,3	11,8	9,3	6,7	5,7	3,0
10.2V	61,7	35,3	21,6	14,2	11,8	9,2	6,7	5,6	2,9
10.5V	60,1	34,9	21,5	14,1	11,7	9,1	6,6	5,6	2,9
10.8V	57,5	34,1	21,1	13,8	11,4	9,0	6,5	5,5	2,8

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

F.V/TIME	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	119	68,1	42,1	27,6	22,9	18,0	13,1	10,7	5,7
9.90V	117	67,8	41,9	27,6	22,8	17,9	13,0	10,6	5,6
10.2V	116	67,3	41,5	27,4	22,7	17,9	12,9	10,6	5,6
10.5V	113	66,7	41,1	27,2	22,6	17,7	12,8	10,5	5,5
10.8V	108	65,0	40,5	26,6	21,9	17,4	12,5	10,3	5,4

All mentioned values are average values.