

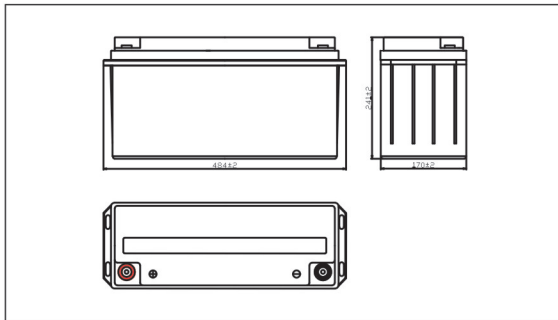
BL 12-150



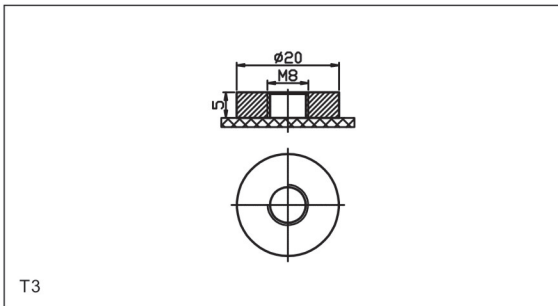
► Specifications

Nominal Voltage		12V
Rated capacity (20 hour rate)		150Ah
Dimensions	Length	484± 1.5mm(19.06inch)
	Width	170± 1mm(6.70inch)
	Height	241± 1mm(9.49inch)
	Total Height	241± 1mm(9.49inch)
Approx. Weight		40.5kg(90.39lbs)± 4%

► Outer Dimensions (mm)



► Terminal Type (mm)



► Characteristics

Capacity (25°C)	20HR(10.5V)	150Ah
	10HR(10.5V)	135Ah
	1HR(9.60V)	75Ah
Terminal type		T3
Internal resistance (Fully charged,25°C)		Approx.5m Ω
Capacity affected by temperature (20HR)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (25°C)	3 months	Remaining Capacity:91%
	6 months	Remaining Capacity:82%
	12 months	Remaining Capacity:65%
Nominal operating temperature		25°C± 3°C(77°F ± 5°F)
Operating temperature range	Discharge	-15°C~50°C(5°F~122°F)
	Charge	-10°C~50°C(14°F~122°F)
	Storage	-20°C~50°C(-4°F~122°F)
Float charging voltage(25°C)		13.50 to 13.80V Temperature compensation: -18mV/°C
Cyclic charging voltage(25°C)		14.50 to 15.00V Temperature compensation: -30mV/°C
Maximum charging current		45A
Maximum discharge current		1300A(5 sec.)
Designed floating life(20°C)		12 years

► Construction

Component	Positive plate	Negative plate	Container	Cover	Separator	Electrolyte	Safety valve	Terminal
Raw material	Lead dioxide	Lead	ABS	ABS	AGM	Sulfuric acid	Rubber	Copper

► Constant Current Discharge Characteristics Unit: A (25°C, 77°F)

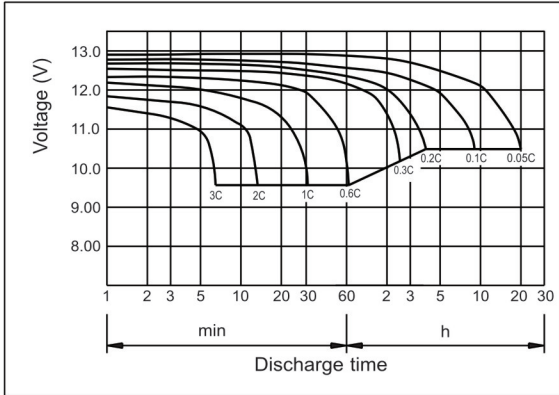
F.V/Time	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	231.6	135.5	75.2	45.3	34.0	26.2	21.8	15.2	13.6	7.5
9.90V	227.3	132.8	73.8	44.9	33.9	25.9	21.2	14.9	13.6	7.5
10.2V	223.0	130.1	72.5	44.6	33.8	25.6	20.7	14.5	13.6	7.5
10.5V	212.9	127.1	69.8	43.7	32.0	24.5	20.1	13.8	13.5	7.5
10.8V	198.5	121.3	66.2	41.7	30.8	23.2	19.1	13.1	13.5	7.2

► Constant Power Discharge Characteristics Unit: W (25°C, 77°F)

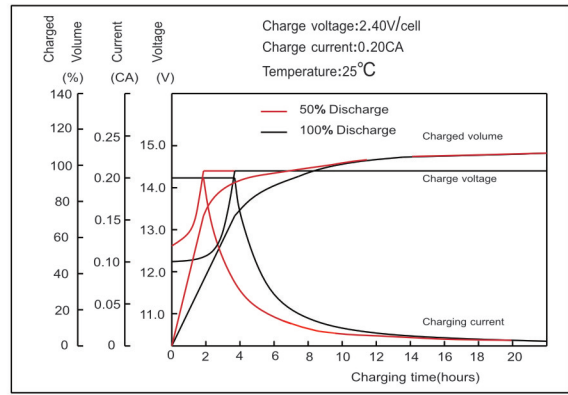
F.V/Time	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	2501	1517	864	521	395	304	255	176	158	80.6
9.90V	2477	1493	852	519	393	300	249	172	158	80.5
10.2V	2453	1470	840	517	392	296	242	168	158	80.4
10.5V	2342	1449	817	512	372	284	237	160	157	80.4
10.8V	2203	1395	781	492	357	269	225	151	156	79.3

Note: The above characteristics data can be obtained within three charge or discharge cycle

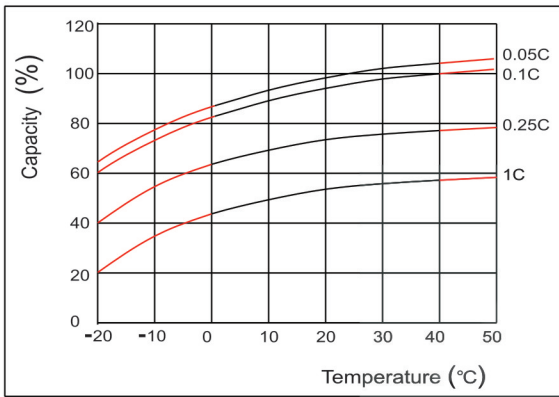
► Discharge Characteristics (25°C)



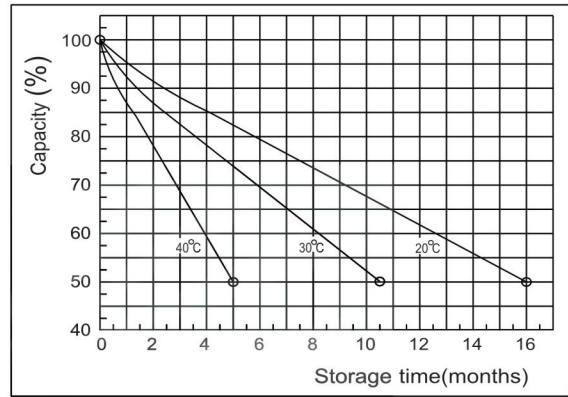
► Charging Characteristics (25°C)



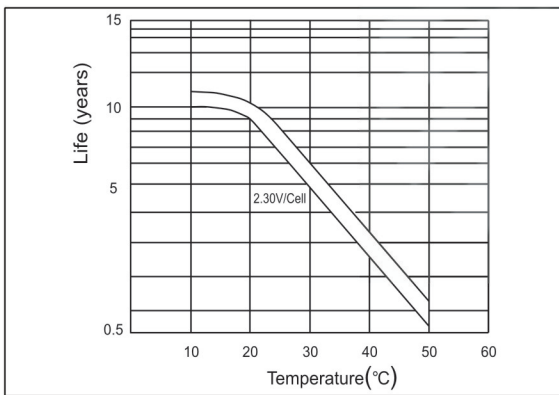
► Temperature effects on Capacity



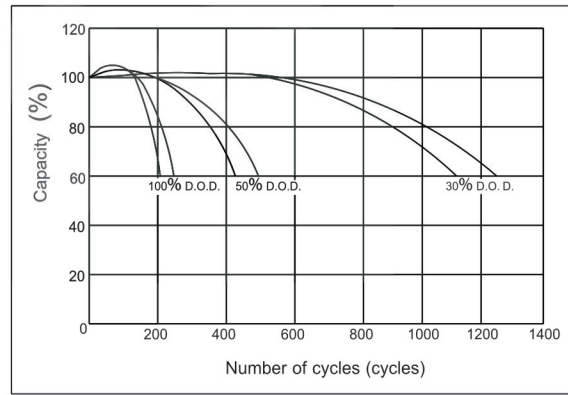
► Self-Discharge Characteristics



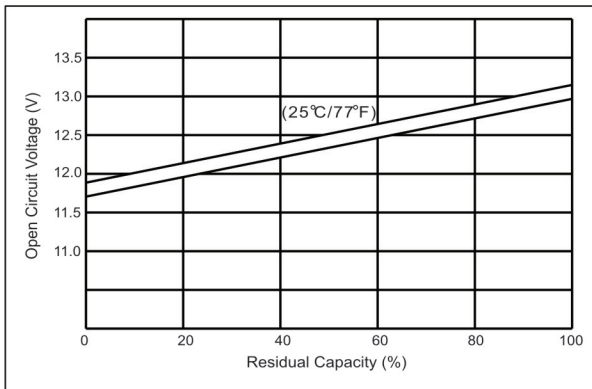
► Floating Life on Temperature



► Cycle Life on D.O.D (25°C)



► The Relationship for OCV and Capacity (25°C)



► The Relationship for Charging Voltage and Temperature

