

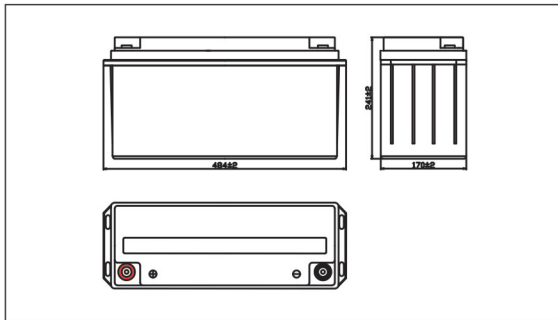
BL 12-150(GEL)



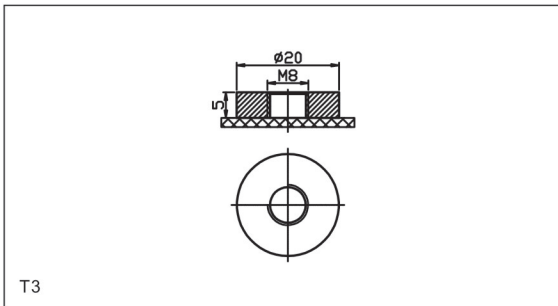
► Specifications

Nominal Voltage	12V	
Rated capacity (10 hour rate)	150Ah	
Dimensions	Length	333± 1.5mm(13.11inch)
	Width	173± 1mm(6.81inch)
	Height	216± 1mm(8.50inch)
	Total Height	222± 1mm(8.74inch)
Approx. Weight	44kg(67.24lbs)± 4%	

► Outer Dimensions (mm)



► Terminal Type (mm)



► Characteristics

Capacity (25°C)	20HR(10.5V)	154Ah
	10HR(10.5V)	150Ah
	1HR(9.60V)	84.3Ah
Terminal type		T3
Internal resistance (Fully charged,25°C)		Approx.4m 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		1500A(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)

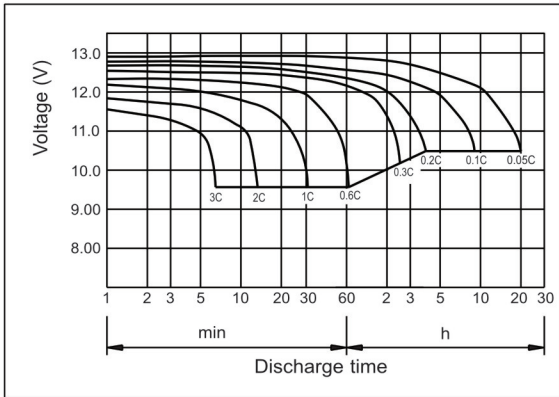
F.V/Time	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	259.9	152.0	84.3	50.8	38.2	29.4	23.5	17.1	15.2	7.8
9.90V	254.3	148.5	82.6	50.4	38.0	28.8	23.0	16.6	15.2	7.8
10.2V	250.3	145.9	81.3	50.0	37.9	28.4	22.6	16.3	15.1	7.7
10.5V	239.0	142.6	78.4	49.1	36.0	27.5	21.8	15.5	15.0	7.7
10.8V	222.7	136.1	74.2	46.8	34.5	26.1	20.9	14.6	15.0	7.6

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

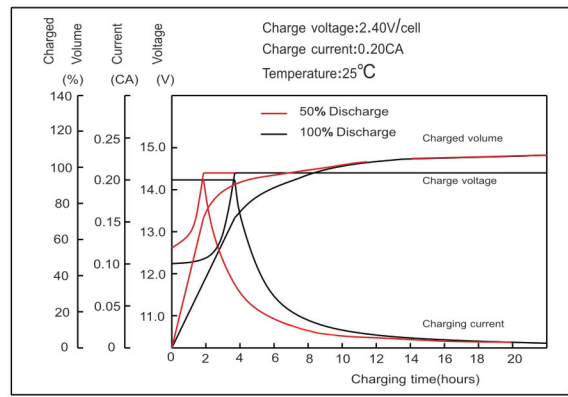
F.V/Time	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	2806.6	1702.5	969.9	584.2	442.9	340.9	273.0	198.0	176.9	90.4
9.90V	2776.6	1668.5	955.6	582.2	440.8	334.6	267.0	194.0	176.3	90.3
10.2V	2753.1	1649.2	943.1	579.9	439.4	329.2	262.4	188.6	175.8	90.2
10.5V	2628.6	1625.8	917.0	574.3	417.1	318.7	253.1	179.3	175.7	90.1
10.8V	2472.0	1565.7	876.0	551.8	400.7	302.3	242.5	169.9	175.3	89.0

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

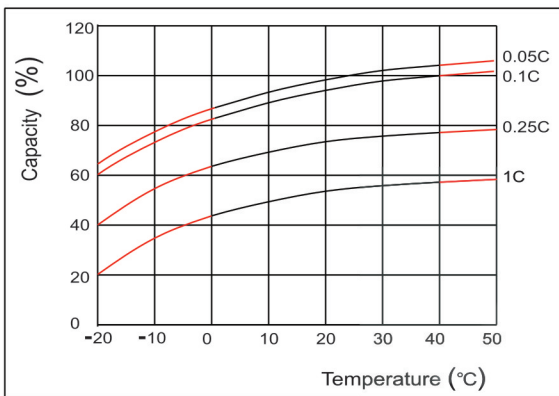
► Discharge Characteristics (25°C)



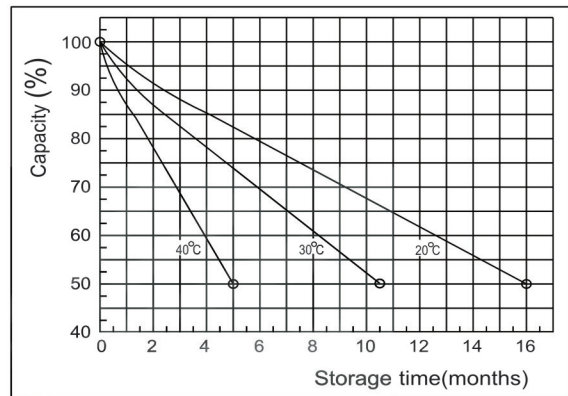
► Charging Characteristics (25°C)



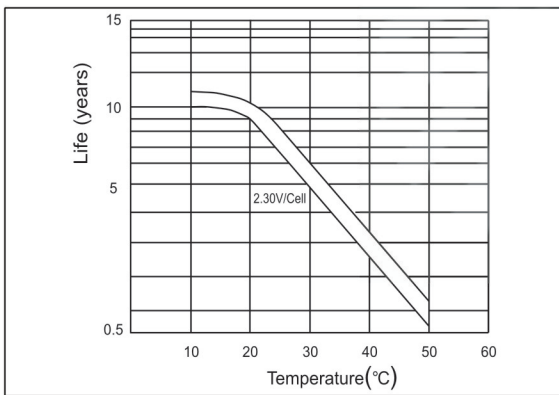
► Temperature effects on Capacity



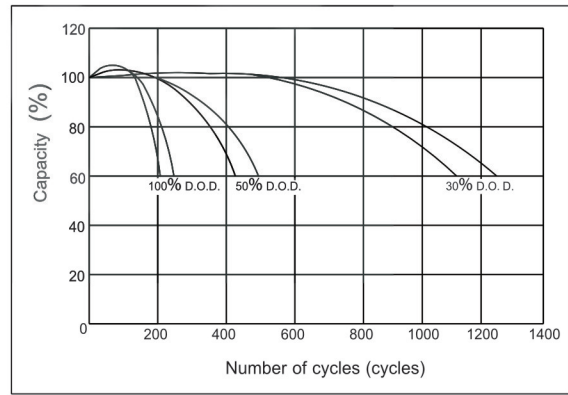
► Self-Discharge Characteristics



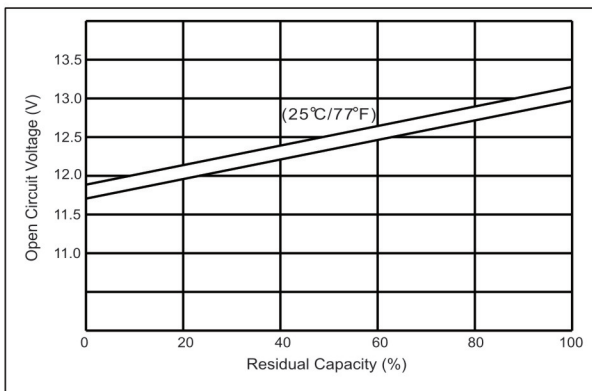
► Floating Life on Temperature



► Cycle Life on D.O.D (25°C)



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



► The Relationship for Charging Voltage and Temperature

