GOLDEN SEASON
Est. 1982

REV 261026

GS12-125X

Military Vehicle Battery



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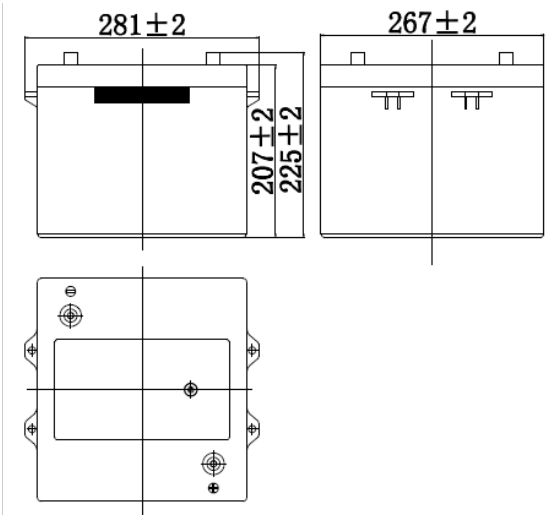
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Specifications

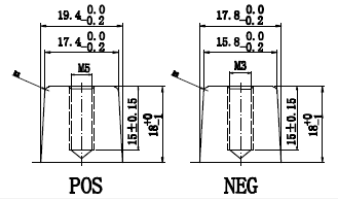
Nominal Voltage		12 V
Capacity (25°C)	10HR(10.8V)	125Ah
	5HR(10.5V)	109.5Ah
	1HR(9.60V)	76.0Ah
Dimension	Length	281±2mm (11.06inch)
	Width	267±2mm (10.51inch)
	Height	207±2mm (8.15inch)
	Total Height	225±2mm (8.86inch)
Approx. Weight		38.0kg±4%
Terminal type		Car Terminal
Internal resistance (Fully charged, 25°C)		Approx. 2.5mΩ
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°C±5°C)
Operating temperature range	Discharge	-20°C55°C(-4°F131°F)
	Charge	-20°C55°C(-4°F131°F)
	Storage	-20°C50°C(-4°F122°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		31A
Maximum discharge current		950A(5 sec.)
Cold cranking current		1100A
Designed floating life(20°C)		10 years



Dimensions



Terminal



Constant Current Discharge Characteristics: A (25°C)

F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	273	210	126	76	45.5	32.4	26.3	22.3	15.4	12.79	6.73
9.90V	264	205	123	75	45.3	32.3	26.1	22.1	15.3	12.75	6.71
10.2V	253	198	120	74	44.9	32.0	25.9	22.0	15.1	12.69	6.7
10.5V	243	191	118	73	44.3	31.8	25.8	21.9	15.0	12.63	6.66
10.8V	229	180	113	70	43.3	30.9	25.0	21.4	14.8	12.5	6.61

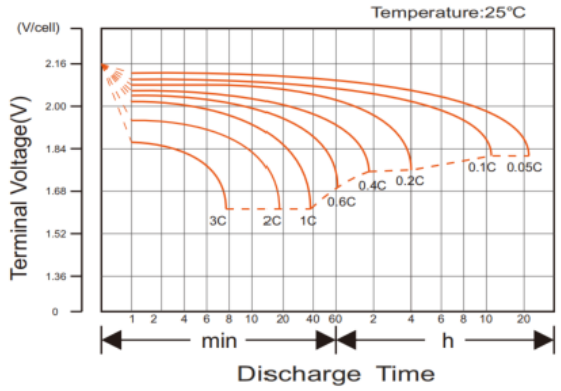
Constant Power Discharge Characteristics: W (25°C)

F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	2938	2303	1408	879	528	383	309	265	183	154	80.8
9.90V	2851	2246	1379	866	525	380	308	263	181	153	80.6
10.2V	2733	2164	1336	844	520	378	305	261	180	151	80.4
10.5V	2615	2090	1304	828	513	375	303	260	179	150	80.0
10.8V	2468	1980	1256	801	500	364	294	253	174	149	79.4

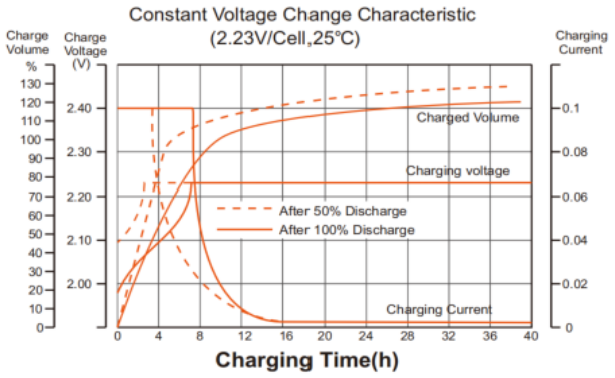
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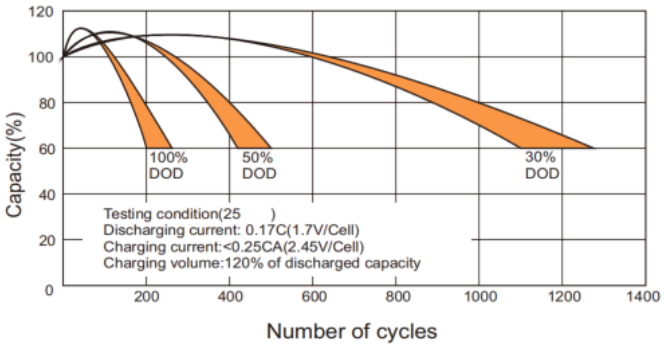
Discharge Characteristics Curve



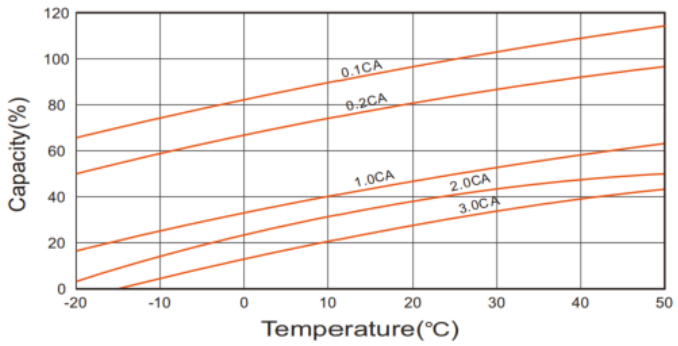
Charging Characteristics Curve



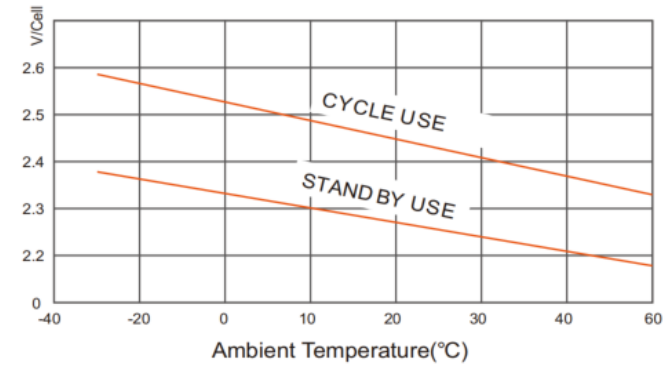
Cycle life in relation to depth of Discharge



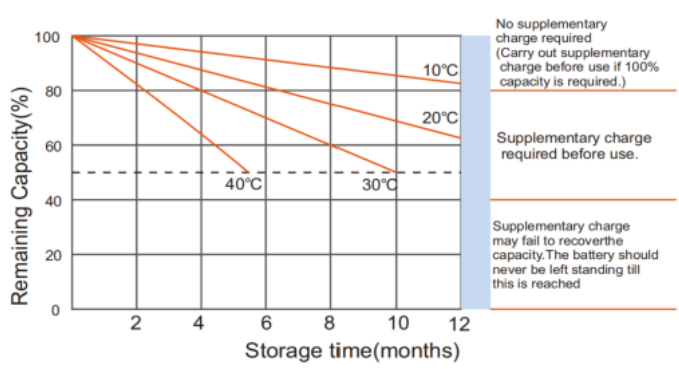
Temperature effects on Capacity



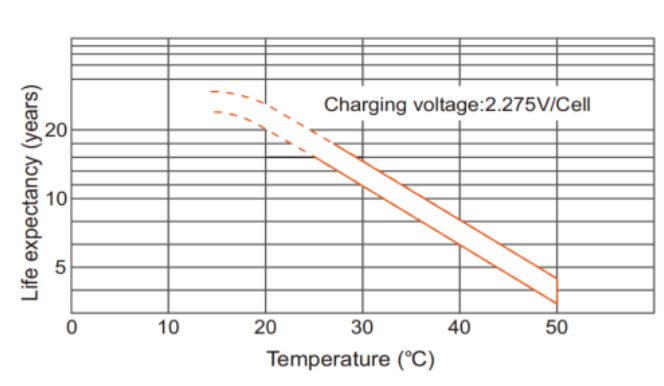
Relationship between charging voltage and temperature



Self-discharge Characteristics



Temperature effects on Float life



Life Characteristics of Standby use

