

Specifications

Nominal Voltage	12V
Number of cell	6
Nominal Capacity	240Ah@10hr-rate (24.0A to 1.80V/cell @25°C)
Weight	Approx.61.00Kg
Terminal	M8,Φ=12
Container Material	ABS (UL94-HB), Flammability resistance of UL94-V1 can be available upon request.
Rated Capacity	240Ah 10hr-rate (24A to 1.80V/cell @25°C)
	179.9Ah 5hr-rate (35.98A to 1.75V/cell @25°C)
	131.9Ah 1hr-rate (131.90A to 1.60V/cell @25°C)
Max. Discharge Current	1000A(5sec)
Internal Resistance	Approx.2.0 mΩ(Fully charged)
Operating Temp. Range	Discharge: -40 °C~60°C
	Charge : -20°C~50°C
	Storage : -40°C~60°C
Cycle Use	Charging Current: ≤69.0A
	Voltage:14.6V ~14.8V
	Temperature compensation:-30mV/°C
Standby Use	Charging Current:No limit
	Voltage:13.6V ~13.8V
	Temperature compensation:-20mV/°C
Self-Discharge	less than 3% at 25°C
Design Life	12 years (floating charge)

Introduction

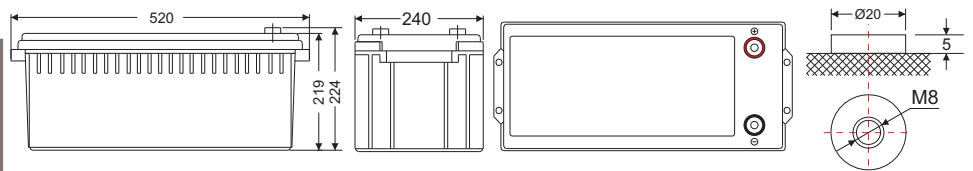
The SCHUBART AGM GEL batteries designed with 12+ years service life. The SOLID-GEL system can avoid corrosion and stratification. The special separator can properly prevent short-circuit. It can offer high deep discharge ability, super thermal stability, good recovery-ability after deep discharging. The deep discharge cycles of AGM-GEL batteries can be more than 50% compared with other normal AGM batteries.

Applications

- >>> Auto control system & ATM machine
- >>> Electronic apparatus and equipment
- >>> Emergency light & Emergency backup power supply & Alarm/Security system
- >>> Power generation system (solar and wind power system, etc.)
- >>> Communication power & DC power
- >>> Electric Power System(EPS)
- >>> Uninterruptable Power System (UPS)
- >>>

Dimension

Length	520±1mm (20.47 inches)
Width	240±1mm (9.45 inches)
Height	219±1mm (8.62 inches)
Total Height	224±1mm (8.82 inches)



Unit: mm

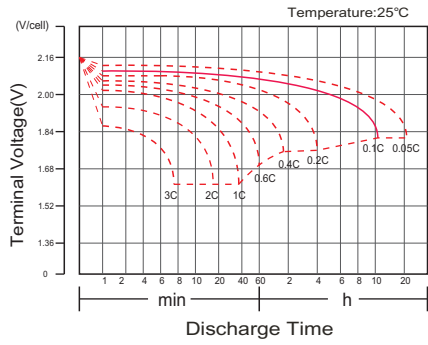
Constant Current Discharge Characteristics: A (25°C)

F. V/Time	10min	15min	30min	45min	2h	3h	5h	10h
1.60V/cell	--	387.13	252.52	189.91	93.50	71.48	47.37	24.42
1.65V/cell	--	382.96	251.48	187.83	92.66	71.17	47.06	24.31
1.70V/cell	--	380.87	250.43	186.78	92.14	70.75	46.85	24.21
1.75V/cell	--	374.61	246.26	183.65	91.10	69.70	46.54	24.10
1.80V/cell	--	363.13	243.13	181.57	90.78	69.39	46.23	24.00

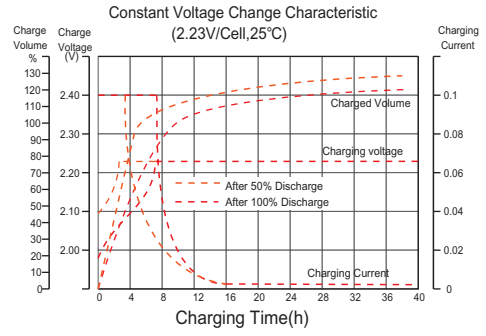
Constant Power Discharge Characteristics: W (25°C)

F. V/Time	10min	15min	30min	45min	2h	3h	5h	10h
1.60V/cell	--	677.00	489.39	376.70	179.48	136.70	90.47	47.58
1.65V/cell	--	673.00	486.26	374.61	178.43	135.65	90.16	47.37
1.70V/cell	--	666.00	482.09	372.52	176.35	134.61	89.84	47.17
1.75V/cell	--	658.00	478.96	370.43	175.30	133.57	89.53	46.96
1.80V/cell	--	649.00	474.78	367.30	173.22	131.48	89.11	46.85

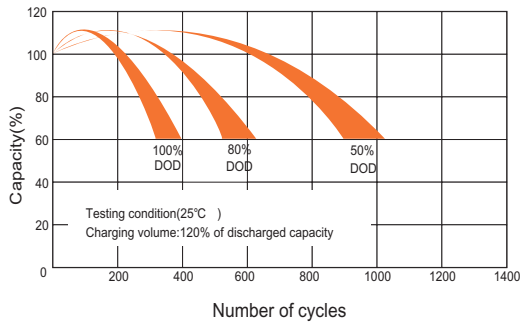
Discharge Characteristics Curve



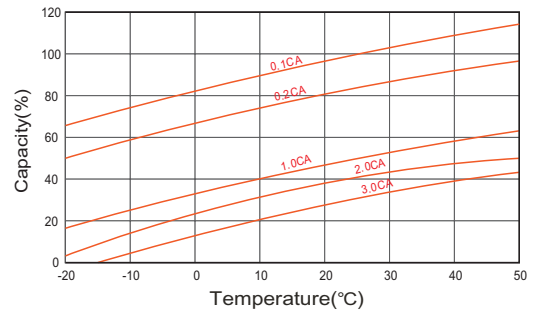
Charging Characteristics Curve



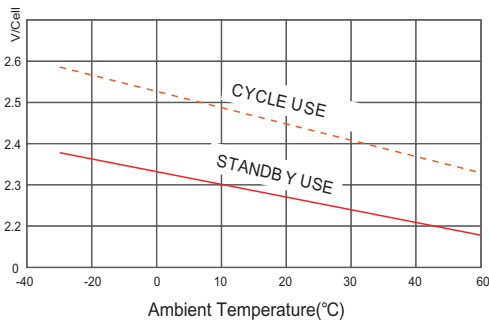
Cycle life in relation to depth of Discharge



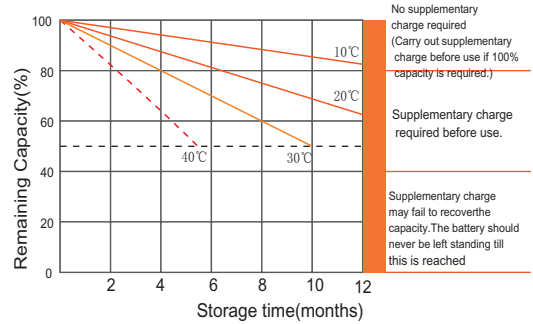
Temperature effects on Capacity



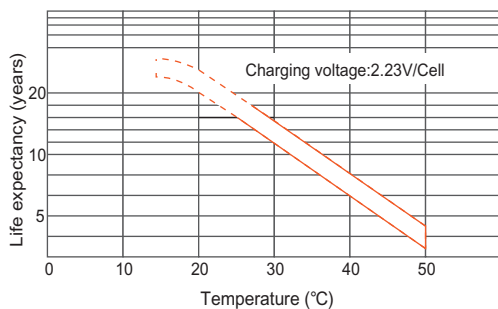
Relationship between charging voltage and temperature



Self-discharge Characteristics



Temperature effects on Float life



Life Characteristics of Standby use

