

MVG 12360M6

Valve-regulated lead-acid battery



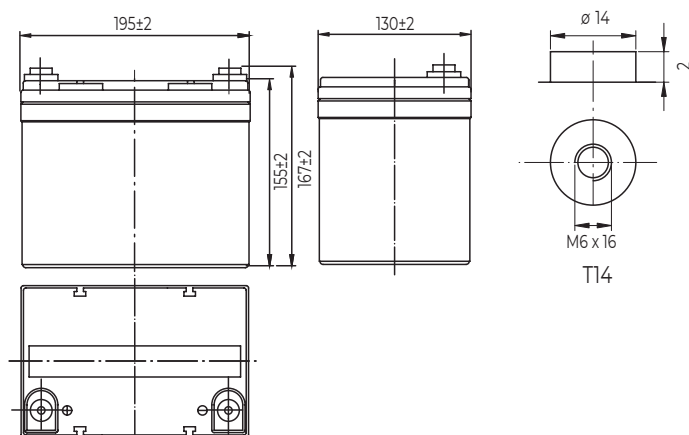
Deep Cycle Gel



SPECIFICATIONS

Nominal voltage		12V (6 cell per unit)
Nominal capacity at 10 hours rate/10.8V (25°C)		33Ah
Capacity (25°C)	20 Hours rate/10.8V	35Ah
	5 Hours rate/10.8V	27.2Ah
Terminal type		T14
Torque		5.1±0.6 N.m
Approx. internal resistance (25°C)		9.5 mΩ
Dimensions	Length	195±2mm (7.68inch)
	Width	130±2mm (5.12inch)
	Height	155±2mm (6.10inch)
	Total height	167±2mm (6.57inch)
Design Life (stand-by)	JIS at 25°C	12 years
	Eurobat at 20°C	10/12 years
Weight		11.00kg (24.20lbs)±4%
Nominal operating temperature		25±3°C (77°F±5)
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 at 25°C		13.5V~13.8V
Cyclic charging voltage at 25°C		14.5V~14.7V
Temperature compensation	Float charge	-18 mV/°C/Block
	Cycle charge	-30 mV/°C/Block
Max. charging current (A)		6.6A
Max. discharge current for 5 seconds		330A
Self discharge rate (25°C)		≤3%/month
Battery container ABS UL94-HB		V-0 optional

DIMENSIONS AND TERMINAL



CONSTRUCTION

Component	Positive Plate	Negative plate	Container	Separator	Electrolyte	Safety valve	Terminal
Raw material	Lead dioxide	Lead	ABS (V-0 opt.)	AGM	Sulfuric Acid Gel	Rubber	Copper

CONSTANT CURRENT DISCHARGE CHARACTERISTICS AT 25°C

Ampere

F.V/Time	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	64.4	52.8	32.0	19.8	12.1	8.58	6.73	5.72	4.04	3.36	1.78
9.90V	62.4	51.5	31.4	19.5	12.0	8.53	6.69	5.69	4.02	3.35	1.78
10.2V	59.8	49.6	30.4	19.0	11.9	8.47	6.65	5.65	3.99	3.34	1.77
10.5V	57.3	47.9	29.7	18.4	11.7	8.42	6.60	5.61	3.96	3.32	1.76
10.8V	54.1	45.4	28.6	17.8	11.4	8.25	6.40	5.44	3.84	3.30	1.75

CONSTANT POWER DISCHARGE CHARACTERISTICS AT 25°C

Watts

F.V/Time	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	695	580	359	226	140	101	79.2	67.6	48.0	40.1	21.4
9.90V	674	566	352	222	139	100	78.7	67.2	47.7	40.0	21.3
10.2V	646	545	341	217	138	100	78.2	66.8	47.4	39.9	21.3
10.5V	619	526	333	210	136	99	77.6	66.3	47.0	39.7	21.1
10.8V	584	499	321	203	132	97	75.3	64.3	45.6	39.4	21.0

The characteristics mentioned above are based on average values observed over three charge and discharge cycles. It's essential to ensure the batteries are fully charged before conducting tests. Information in this document may change without prior notice and becomes binding only after receiving written confirmation. For the most recent version, kindly reach out to Mundilec.



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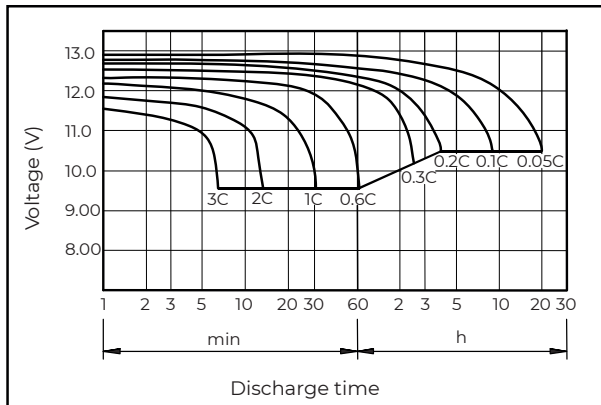
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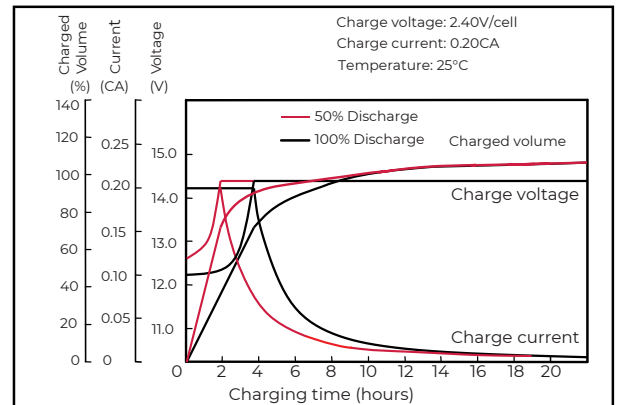
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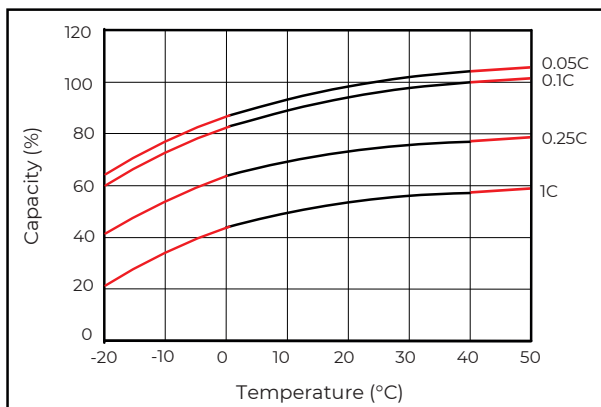
DISCHARGE CHARACTERISTICS AT 25°C



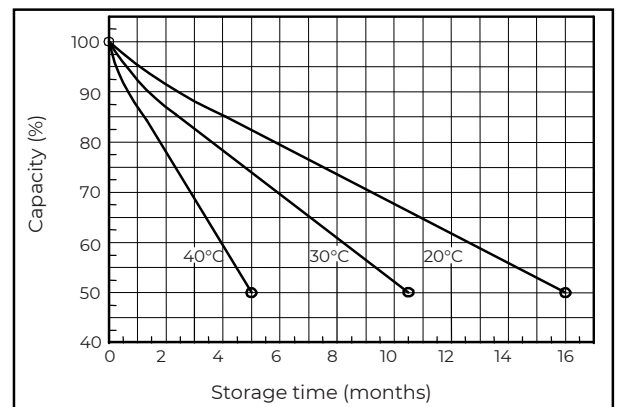
CHARGING CHARACTERISTICS AT 25°C



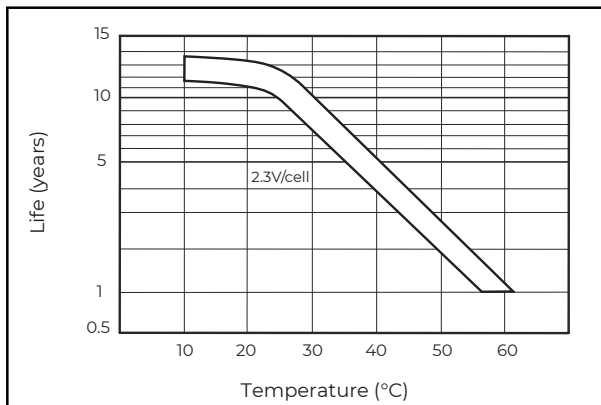
TEMPERATURE EFFECTS ON CAPACITY



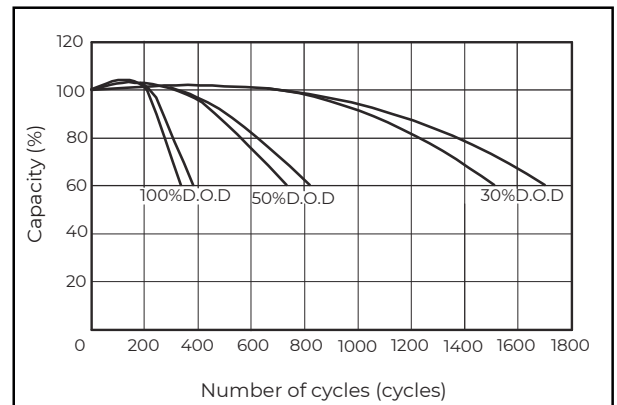
SELF-DISCHARGE CHARACTERISTICS



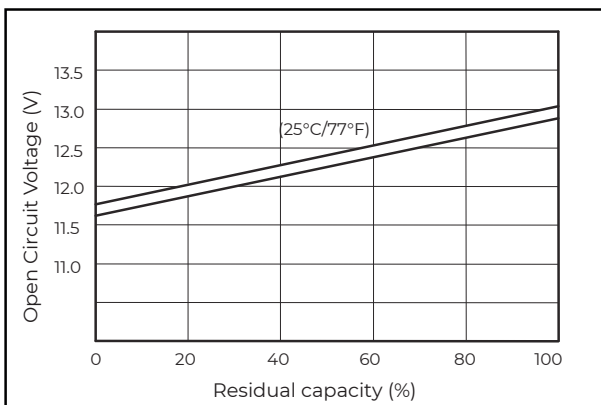
FLOATING LIFE ON TEMPERATURE



CYCLE LIFE ON D.O.D. AT 25°C



OCV VS CAPACITY AT 25°C



CHARGING VOLTAGE VS TEMPERATURE

