



PM200-12 12V200AH

PM SERIJA - GEL BATERIJA



- ◆ Telekomunikacije
- ◆ Sistemi solarnog napajanja
- ◆ Sistem vetrogeneratora.
- ◆ Motor start sistemi
- ◆
- ◆
- ◆
- ◆

ISO 9001	ISO 14001	OHSAS 18001	TLC
CE	RoHS		

Nominalni napon Un	12V	
Nominalni Capacitet(10h)	200.0AH	
Dimenzije	Dužina	522±3mm (20.55 inches)
	Širina	240±2mm (9.45 inches)
	Visina kutije	218±2mm (8.58 inches)
	Visina sa priključcima	224±2mm (8.81 inches)
Prosečna težina	Približno 55.9 Kg (123.23 lbs)	
Terminali	T11	
Kućište Material	ABS	
Nominalni Kapacitet	209.1AH/10.4A	(20hr, 1.80V/cell, 25°C/77°F)
	200.0 AH/20.0A	(10hr, 1.80V/cell, 25°C/77°F)
	173.0 A H/34.6A	(5hr, 1.75V/cell, 25°C/77°F)
	157.2 AH/52.4A	(3hr, 1.75V/cell, 25°C/77°F)
	122.8AH/122.8A	(1hr, 1.60V/cell, 25°C/77°F)
Struja maks. opterećenja	1800A(5s)	
Unutrašnja otpotnost	Približno 3.4mΩ	
Opseg radnih temperatura	~50°C (5 ~ 122°F)	
	~40°C (32 ~ 104°F)	
	Skladištenje: -15 ~ 40°C (5 ~ 104°F)	
Nominalni opseg radne temp.	25 ± 3°C (77 ± 5°F)	
	Početno punjenje struje manje od 25A napon 14.4V~15.0V at 25°C(77°F)Temp. Koeficient -30mV/°C	
Stacionarna upotreba	Bez limita na početno punjenje struje i napona	
	13.5V~13.8V at 25°C(77°F)Temp. Koeficient -20mV/°C	
Kapacitet u zavisnosti od Temperature	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%
Samopražnjenje	Serija akumulatora PM GEL može da se skladišti čak do 9 meseci na temperaturi do 25°C(77°F) i nakon toga, potrebno je dopuniti iste. Za veće temperature ovaj interval je manji.	

°C (77°F)

F.V/Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	169.2	132.8	101.3	84.8	53.8	41.0	34.0	29.3	25.3	22.4	20.2	18.5	17.5	9.60
1.80V/cell	193.8	148.4	111.7	93.6	58.2	43.9	36.0	30.8	26.6	23.5	21.2	19.4	18.2	10.0
1.75V/cell	217.8	163.2	120.8	100.2	61.7	46.4	37.7	32.0	27.5	24.3	21.9	20.0	18.6	10.2
1.70V/cell	234.6	174.8	128.3	106.0	65.4	48.3	39.0	33.0	28.5	25.1	22.5	20.5	19.0	10.3
1.67V/cell	244.2	181.6	132.8	110.0	67.1	49.9	39.9	33.7	28.9	25.5	22.9	20.8	19.3	10.4
1.60V/cell	264.6	194.4	142.7	116.8	69.8	51.9	41.4	34.7	29.6	26.0	23.3	21.2	19.6	10.6

Opterećenje sa konstantnom strujom (Wat) na 25 °C (77°F)

F.V/Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	323.8	255.9	196.5	165.1	105.1	80.3	66.8	57.9	50.1	44.5	40.2	36.8	34.8	19.2
1.80V/cell	366.1	283.3	215.1	181.3	113.3	85.8	70.5	60.6	52.4	46.4	42.0	38.6	36.3	19.9
1.75V/cell	406.9	308.7	230.8	193.1	119.6	90.4	73.6	62.7	54.1	47.9	43.3	39.7	37.0	20.3
1.70V/cell	433.5	327.8	243.3	203.1	126.2	93.9	75.9	64.5	55.9	49.4	44.5	40.7	37.8	20.5
1.67V/cell	446.2	337.0	250.2	209.6	128.8	96.4	77.5	65.7	56.7	50.0	45.1	41.1	38.2	20.7
1.60V/cell	478.1	357.3	266.8	221.3	133.4	99.8	80.2	67.5	57.8	51.0	45.8	42.0	38.9	21.0

Note The above data are average values, and can be obtained with 3 charge/discharge cycles. These are not minimum values.

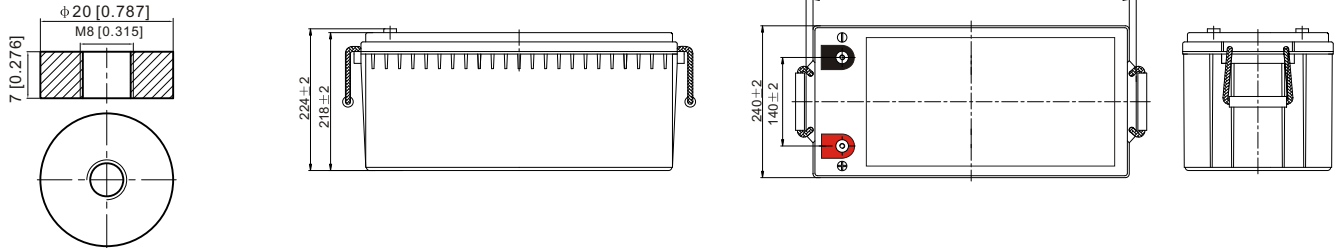
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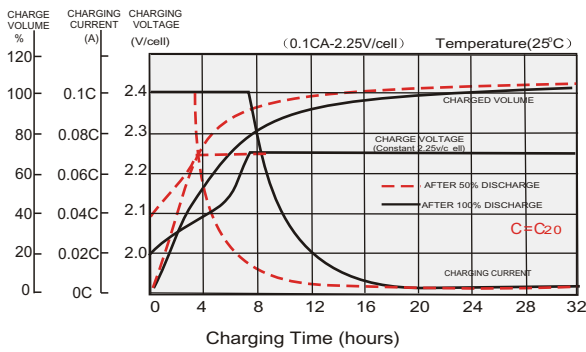
Dimensions

T11 Terminal

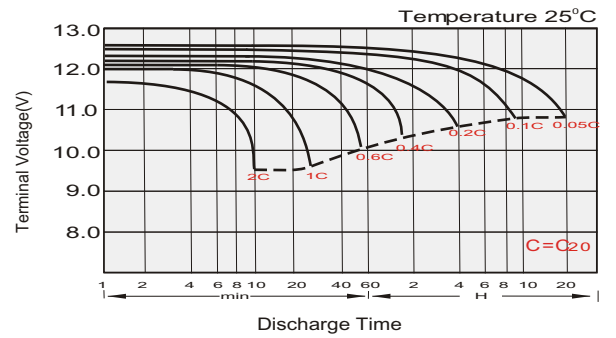
Unit: mm [inches]



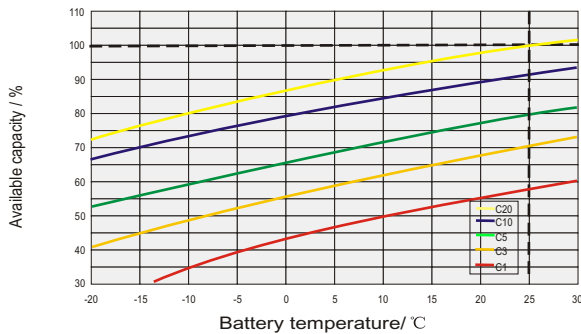
Float Charging Characteristics



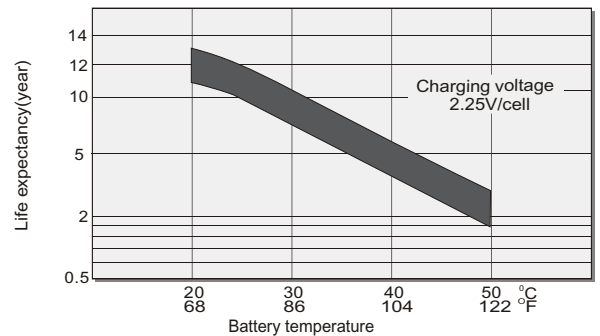
Discharge Characteristics



Temperature Effects in Relation to Battery Capacity

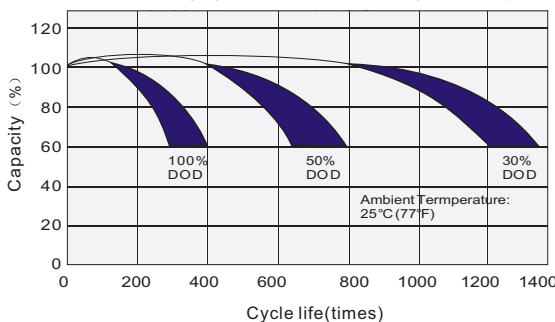


Effect of Temperature on Long Term Float Life

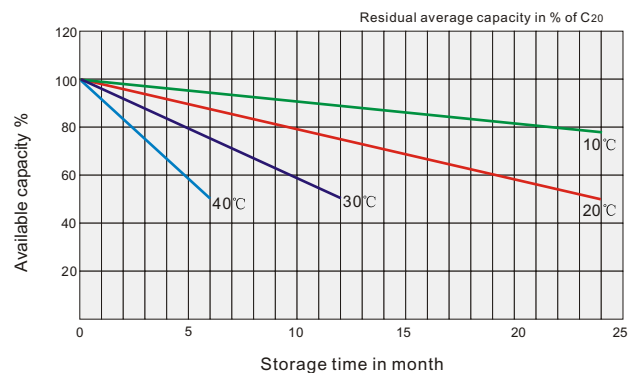


Cycle Life in Relation to Depth of Discharge

Testing condition
 Discharging: current 0.17C (FV 1.7V/cell);
 Charging: current 0.25C max, voltage 2.45V/cell;
 Charging volume: 125% of discharged capacity.



General Relation of Capacity VS. Storage Time



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