BATERIA MA SERIE-GEL

MAG12-100 (12V100AH)

Specification

Voltaje Nominal	12V	
Capacidad Nominal (20HR)	100.0AH	
Dimensiones	Largo	330± 3mm (12.99 inches)
	Ancho	173± 3mm (6.81 inches)
	Alto de la caja	212± 3mm (8.35 inches)
	Alto Total (con Terminales)	220± 3mm (8.66 inches)
Peso Aproximado	Aprox 30.6 kg (67.5 lbs)	
Terminal	T11	
Material de la Caja	ABS	
Prueba de Capacidad	107.2 AH/10.0A	(20hr,1.80V/cel,25°C/77°F)
	100.0 AH/18.6A	(10hr,1.75V/cel,25°C/77°F)
	87.7 A H/32.0A	(5hr,1.75V/cel,25°C/77°F)
	79.5 AH/46.4A	(3hr,1.75V/cel,25°C/77°F)
	64.6 AH/110.0A	(1hr,1.67V/cel,25°C/77°F)
Corriente Máxima de Descarga	1200A (5s)	
Resistencia Interna	Aprox 4.9 mΩ	
Rango de Temperatura de operacion	Descarga : -15~~55°C (-4~~131°F) Carga : 0~~40°C (32~~104°F) Almacenamiento : -15~~50°C (-4~~122°F)	
Temperatura de funcionamiento nominal	25±3°C (77±5°F)	
Ciclos de uso	Corriente de carga inicial de menos de 14.4V ~15.0V 50.0 A. Voltaje a 250C (770F) de temperatura. Coeficiente de -30mV/0C	
Uso en modo espera	No hay limite en la carga inicial con voltaje de 13.5V~13.8V a 25C(77F) de temperatura. Coeficiente -20mV/0C.	
Afectación de la capacidad por la temperatura	40° C (104° F)	103%
	25° C (77° F)	100%
	0° C (32° F)	86%
Auto descarga	Las baterías MAGNA de la serie MAG se pueden almacenar un máximo de 9 meses a 25C (77F) y luego se requiere una carga de reposición. Para temperaturas más altas el tiempo de almacenaje será menor.	

Aplicaciones

- *Telecomunicaciones*
- *Sistemas de energía Solar*
- *Sistemas de energía Eólica*
- *Sillas de ruedas*
- *Maquinas brilladoras*
- *Carros de Golf*
- *Barcos*

Constant Current Discharge (Amperes) at 25 °C (77°F)

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	146.4	123.2	107.7	77.5	61.5	49.9	31.0	24.2	19.6	15.9	13.9	11.3	9.4	5.31
1.80V/cell	187.1	148.9	127.3	91.4	71.6	55.9	33.9	26.0	20.9	17.1	14.9	12.0	10.0	5.36
1.75V/cell	205.6	162.6	136.9	94.9	74.3	58.5	35.1	26.5	21.4	17.5	15.3	12.2	10.1	5.41
1.70V/cell	224.1	173.6	143.9	98.8	77.2	60.4	36.5	27.2	22.0	18.0	15.6	12.4	10.2	5.51
1.65V/cell	241.8	184.6	152.8	104.2	79.2	62.4	37.5	28.4	22.7	18.5	16.0	12.6	10.4	5.58
1.60V/cell	262.5	197.4	162.8	110.0	82.5	64.6	38.8	29.3	23.4	19.1	16.3	12.7	10.5	5.61

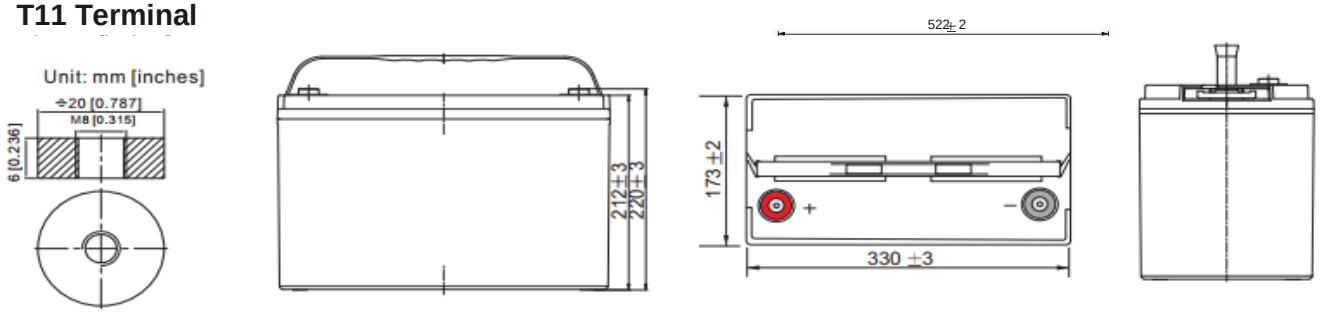
Constant Power Discharge (Watts/cell) at 25 °C (77°F)

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	273.2	232.3	205.2	148.8	119.0	96.9	60.4	47.2	38.4	31.3	27.4	22.4	18.7	10.6
1.80V/cell	344.4	276.5	238.8	173.5	137.3	107.9	65.6	50.6	40.8	33.5	29.3	23.7	19.8	10.7
1.75V/cell	373.8	299.1	254.8	179.3	141.8	112.5	67.8	51.4	41.6	34.3	30.1	24.1	20.0	10.8
1.70V/cell	401.7	316.9	266.3	185.8	147.0	115.7	70.3	52.7	42.6	35.1	30.7	24.5	20.2	11.0
1.65V/cell	430.4	334.8	281.5	195.2	150.2	119.2	72.1	54.8	44.0	36.0	31.3	24.8	20.6	11.1
1.60V/cell	459.4	353.8	296.8	204.0	155.1	122.5	74.1	56.2	45.1	37.0	31.9	25.0	20.8	11.2

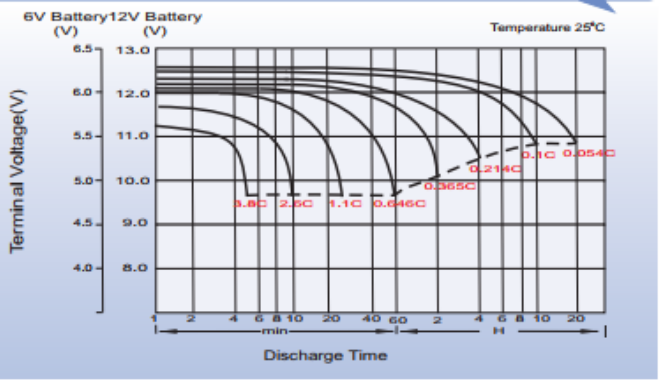
Especificaciones pueden cambiar sin aviso previo.

Dimensiones

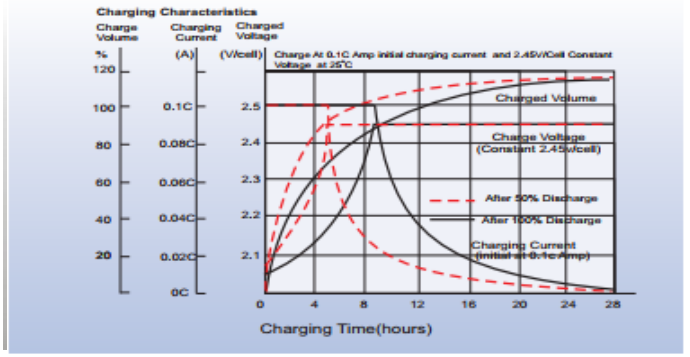
T11 Terminal



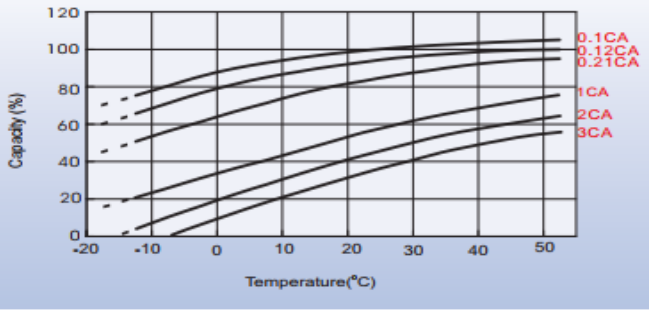
Caracteristicas de Descarga



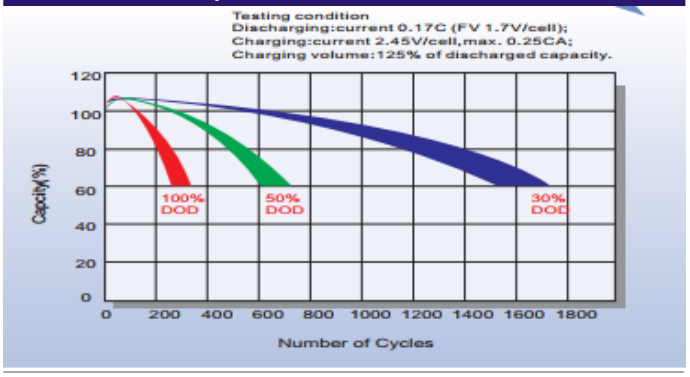
Caracteristicas de Carga de Flotacion

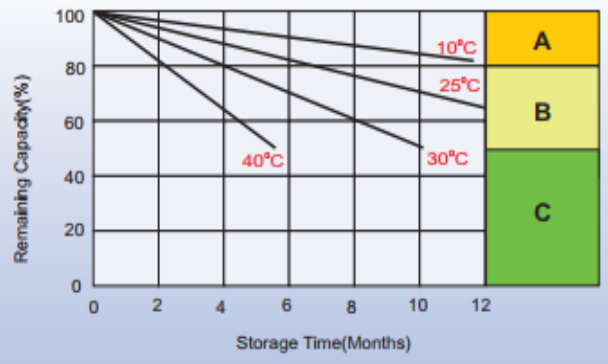


Efectos de la temperatura frente a capacidad nominal



Efecto de la temperatura sobre la vida en flotación





Self Discharge Characteristics

A No supplementary charge required
(Carry out supplementary charge before use if 100% capacity is required.)

B Supplementary charge required before use.Optional charging way as below:
1.Charged for above 3 days at limted current 0.25CA and constant volatge 2.25V/cell.
2.Charged for above 20hours at limted current 0.25CA and constant volatge 2.45V/cell.
3.Charged for 8~10hours at limted current 0.05CA .

C Supplementary charge may often fail to recover the capacity.
The battery should never be left standing till this is reached.

coéxito
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