

VRLA - Sealed free maintenance

XMB 12-07X 12V/7AH (20h)

VRLA-AGM BATTERIES

Las baterías XMB conforman una familia de baterías de ácido plomo tipo VRLA de descarga profunda de excelente calidad, rendimiento extraordinario y un amplio rango de aplicaciones. Han sido diseñadas para cumplir con los más exigentes estándares mundiales de calidad, seguridad y rendimiento, usando tecnología punta. Son 100% libres de mantenimiento y selladas para una operación sin fugas. Usan tecnología AGM para una eficiente recombinación de gases hasta de 99%.

APLICACIONES PRINCIPALES

Telecom



Sistemas de Seguridad



Luminaria de Emergencia



Respaldo de Sistemas Críticos



UPS/SAI



Inversores AC/DC



CARACTERÍSTICAS

- Baterías selladas de libre mantenimiento
- Separadores AGM y placas planas
- Opciones en terminales de conexión
- Caja de ABS de alto impacto
- Recarga rápida
- Auto descarga inferior al 3.5%/mes

VENTAJAS

- Temperatura de operación: -15 to +50°C
- Tiempo de vida: 5 a 12 años (@ 20°C)
- Tiempo de vida en cantidad de ciclos:
 - > 1500 ciclos a 30% DOD
 - > 600 ciclos a 50% DOD
 - > 300 ciclos a 100% DOD
- Alto rendimiento a bajas temperaturas

VRLA - SEALED FREE MAINTENANCE BATTERY 12V/7AH (20h)

Xmart
by Integra

TECHNICAL SPECIFICATIONS / Especificaciones Técnicas

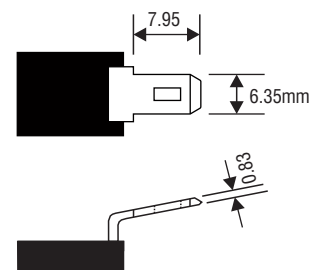
Nominal Voltage	12V	
Nominal Capacity (10hr)	7.0AH	
Dimension	Lenght	151 +/- 1mm
	Width	65 +/- 1mm
	Container Height	94.5 +/- 1mm
	Total Height (with terminals)	100 +/- 1mm
Approx Weight	Approx. 2.2 Kg (4.81 lb)	
Terminal	T2 (T1 optional)	
Container Material	ABS	
Rated Capacity	7.00 AH / 0.350A	(20hr, 1.75V/cell, 25°C/77°F)
	6.53 AH / 0.653 A	(10hr, 1.75V/cell, 25°C/77°F)
	5.80 AH / 1.16A	(5hr, 1.75V/cell, 25°C/77°F)
	4.26 AH / 4.26A	(1hr, 1.60V/cell, 25°C/77°F)
Max. Discharge Current	105A (5s)	
Internal Resistance	Approx. 23 mili Ohm	
Operating Temperature Range	Discharge:	-15°C to 50°C (5 to 122°F)
	Charge:	0°C to 40°C (32 to 104°F)
	Storage:	-15°C to 40°C (5 to 104°F)
Normal Operating Temp. Range	25°C +/- 3°C (77°F +/- 5°F)	
Cycle Use	Initial Charging Current less than 2.1 A. Voltage 14.4V-15.0V at 25°C. Temp. coefficient -30mV/°C	
Standby Use	No limit on initial charging current voltage 13.5V - 13.8V at 25°C (77°F) Temp. coefficient -20mV/°C	
Capacity affected by Temperature	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%



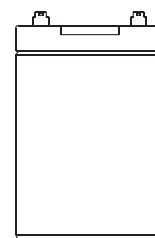
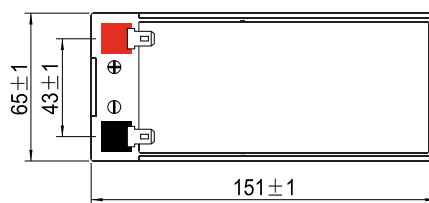
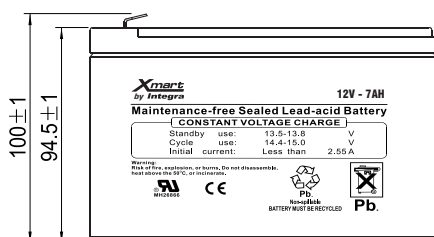
Aplicaciones

UPS
Inversores AC/DC
Luminaria de emergencia
Sistemas de comunicación
Fuentes DC
Equipos electrónicos
Sistemas de respaldo en general

TERMINAL T2 / Terminal T2



DIMENSIONS / Dimensiones



* VRLA: Valve Regulated Lead Acid / * AGM: Absorbent Glass Material

12-7AH: P2

VRLA - SEALED FREE MAINTENANCE BATTERY

12V - 7AH (20h)



CONSTANT DISCHARGE / Descarga Constante (Amps at 25°C)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	16.00	11.70	9.97	8.46	6.17	4.52	3.60	2.14	1.60	1.30	1.10	0.95	0.76	0.63	0.34
1.80V/cell	19.20	13.70	11.30	9.20	6.65	4.80	3.83	2.24	1.66	1.35	1.14	0.99	0.78	0.65	0.35
1.75V/cell	21.50	14.90	12.00	9.70	6.92	4.99	3.98	2.31	1.71	1.38	1.16	1.01	0.80	0.66	0.36
1.70V/cell	23.40	15.90	12.80	10.20	7.18	5.12	4.05	2.36	1.75	1.41	1.19	1.03	0.81	0.67	0.36
1.65V/cell	25.50	16.80	13.40	10.60	7.43	5.28	4.17	2.40	1.77	1.43	1.21	1.04	0.82	0.68	0.37
1.60V/cell	26.80	17.60	13.80	10.90	7.64	5.42	4.26	2.46	1.81	1.46	1.23	1.06	0.84	0.69	0.37

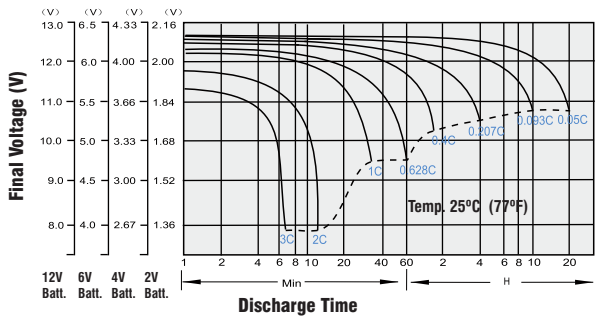
at 25°C

CONSTANT DISCHARGE / Descarga Constante (Watts at 25°C)

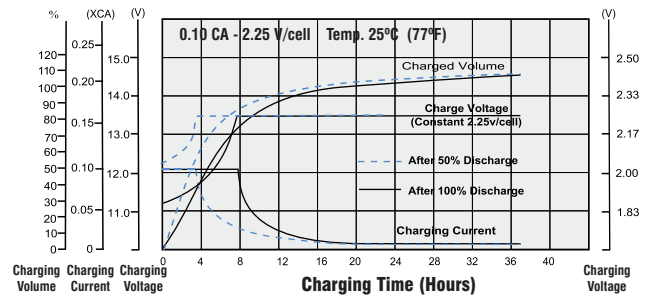
F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	30.30	22.30	19.20	16.40	12.00	8.86	7.09	4.23	3.17	2.59	2.20	1.91	1.52	1.26	0.69
1.80V/cell	35.90	25.80	21.50	17.70	12.90	9.37	7.52	4.42	3.30	2.69	2.27	1.97	1.57	1.31	0.70
1.75V/cell	39.80	28.00	22.80	18.60	13.40	9.72	7.79	4.55	3.37	2.74	2.31	2.00	1.59	1.33	0.72
1.70V/cell	42.80	29.50	24.00	19.30	13.80	9.89	7.88	4.61	3.42	2.78	2.34	2.03	1.61	1.33	0.72
1.65V/cell	45.70	30.70	24.80	19.80	14.10	10.10	8.02	4.65	3.45	2.80	2.36	2.05	1.62	1.34	0.72
1.60V/cell	47.00	31.50	25.10	20.10	14.30	10.30	8.13	4.73	3.50	2.83	2.39	2.07	1.63	1.35	0.73

at 25°C

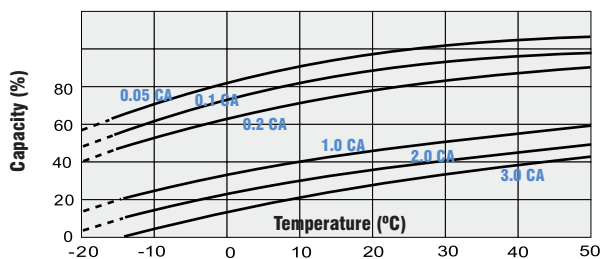
DISCHARGE CURVES / Curvas de Descarga



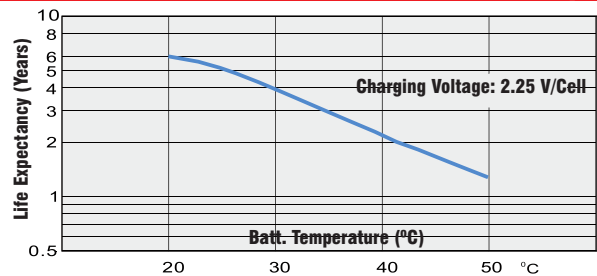
RECHARGING / Recarga



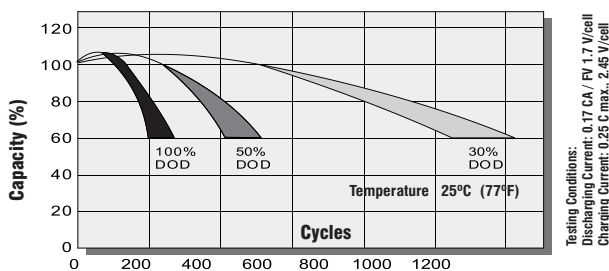
CAPACITY Vs. TEMP. / Capacidad Vs. Temp.



LIFE EXPECTANCY Vs. TEMP. / Vida Vs. Temp.

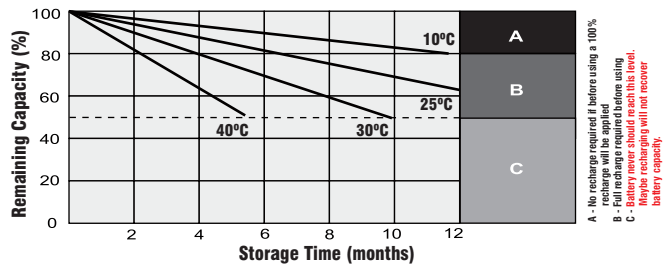


DISCHARGING CYCLES / Vida Vs. Descargas



Testing Conditions:
Discharging Current: 0.17 CA / FV 1.7 V/cell
Charging Current: 0.25 C max., 2.45 V/cell

STORAGE TIME / Tiempo de Almacenaje



A - No recharge required if before using a 100%
B - Full charge will be applied before using
C - Battery never should reach this level.
Maybe recharging will not recover battery capacity.