

VRLA - Sealed free maintenance

XMB 12-05X 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



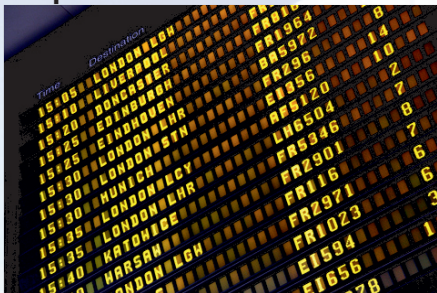
Sistemas de Seguridad



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/5AH (20h)

Xmart
by Integra

TECHNICAL SPECIFICATIONS / Especificaciones Técnicas

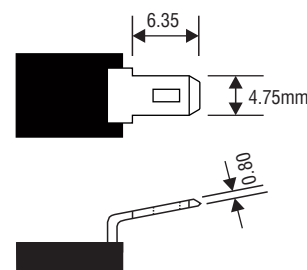
Nominal Voltage	12V	
Nominal Capacity (10hr)	5.0AH	
Dimension	Lenght	151 +/- 1mm
	Width	53 +/- 1mm
	Container Height	93/- 1mm
	Total Height (with terminals)	99 +/- 1mm
Approx Weight	Approx. 1.7 Kg (3.8 lb)	
Terminal	T1 / T2 (optional)	
Container Material	ABS	
Rated Capacity	5.00 AH / 0.250A	(20hr, 1.80V/cell, 25°C/77°F)
	4.65 AH / 0.465 A	(10hr, 1.80V/cell, 25°C/77°F)
	4.20 AH / 0.84A	(5hr, 1.75V/cell, 25°C/77°F)
	3.04 AH / 3.04A	(1hr, 1.60V/cell, 25°C/77°F)
Max. Discharge Current	75A (5s)	
Internal Resistance	Approx. 45 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 1.5 A.	
	Voltage 14.4V-15.0V at 25°C. Temp. coefficient -20mV/°C	
Standby Use	Initial Charging Current less than 1.5 A	
	Voltage 13.5V-13.8V at 25°C. Temp. coefficient -20mV/°C	
Capacity affected by Temperature	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%



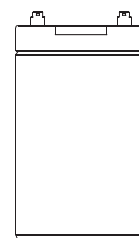
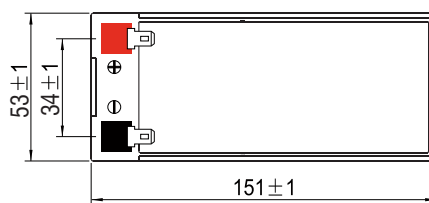
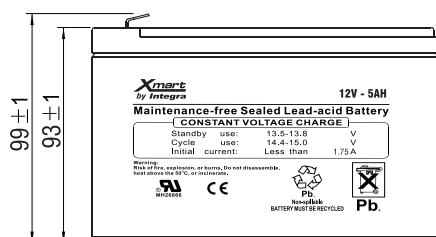
Aplicaciones

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

Terminal T1 / T2



DIMENSIONS / Dimensiones



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

12-5AH: P2

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12V - 5AH (20h)

Xmart
by Integra

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	9.60	6.69	5.52	4.79	3.84	2.95	2.42	1.48	1.12	0.92	0.78	0.68	0.54	0.45	0.25
1.80V/cell	11.80	7.99	6.40	5.42	4.25	3.22	2.60	1.57	1.18	0.97	0.82	0.71	0.56	0.47	0.25
1.75V/cell	14.00	9.03	7.06	5.90	4.54	3.42	2.74	1.64	1.22	1.00	0.84	0.73	0.58	0.47	0.25
1.70V/cell	15.90	9.96	7.64	6.33	4.77	3.55	2.85	1.70	1.26	1.03	0.86	0.74	0.58	0.48	0.26
1.65V/cell	17.50	10.70	8.08	6.65	4.97	3.69	2.97	1.75	1.30	1.05	0.88	0.76	0.59	0.49	0.26
1.60V/cell	18.40	11.20	8.42	6.86	5.11	3.77	3.04	1.81	1.33	1.07	0.90	0.77	0.61	0.50	0.26

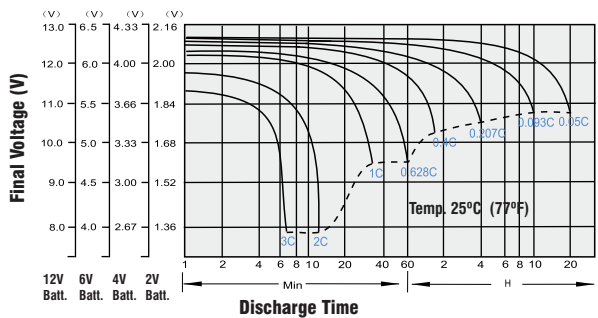
at 25°C

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

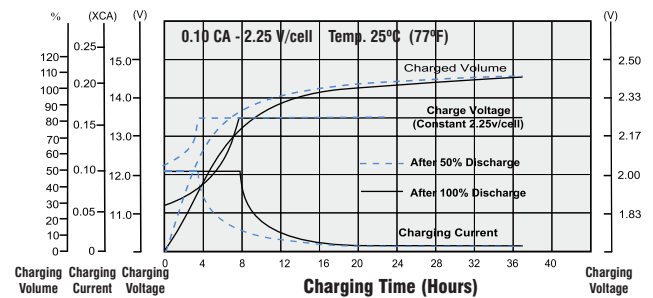
F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	18.10	12.70	10.60	9.27	7.49	5.79	4.76	2.92	2.23	1.84	1.57	1.36	1.09	0.91	0.50
1.80V/cell	22.00	15.10	12.20	10.40	8.23	6.27	5.09	3.09	2.33	1.93	1.63	1.41	1.12	0.93	0.50
1.75V/cell	25.70	16.90	13.30	11.20	8.73	6.63	5.33	3.20	2.40	1.97	1.66	1.44	1.14	0.94	0.50
1.70V/cell	28.90	18.40	14.30	12.00	9.12	6.84	5.52	3.31	2.47	2.01	1.69	1.47	1.15	0.95	0.51
1.65V/cell	31.40	19.50	14.90	12.50	9.42	7.06	5.72	3.39	2.52	2.04	1.72	1.49	1.17	0.96	0.52
1.60V/cell	32.50	20.10	15.40	12.70	9.58	7.15	5.80	3.47	2.56	2.08	1.75	1.51	1.18	0.97	0.52

at 25°C

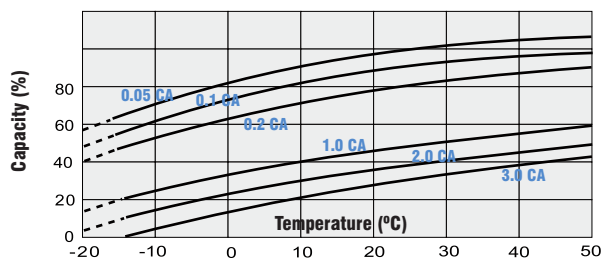
DISCHARGE CURVES / Curvas de Descarga



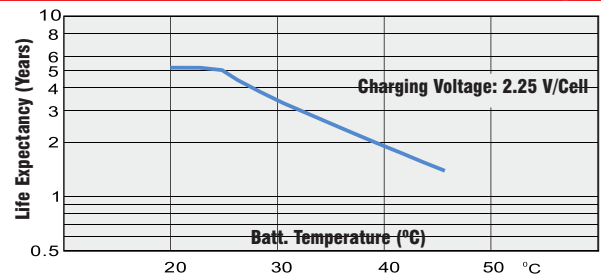
RECHARGING / Recarga



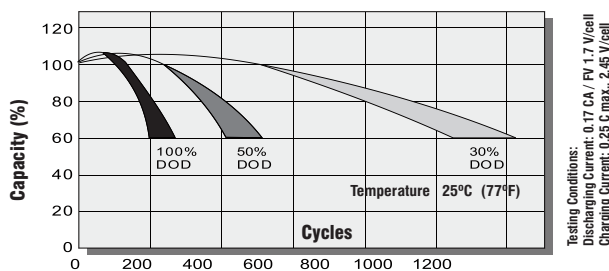
CAPACITY Vs. TEMP. / Capacidad Vs. Temp.



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

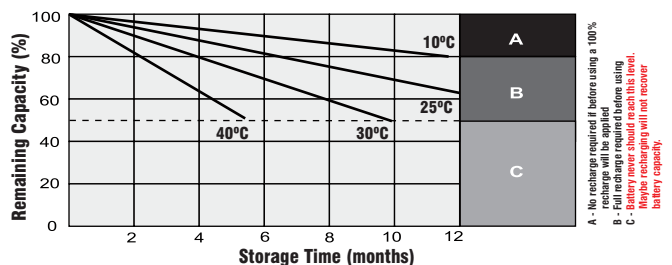


DISCHARGING CYCLES / Vida Vs. Descargas



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% charge will be applied.
B - Full recharge required before using.
C - Battery never should reach this level. Maybe recharging will not recover battery capacity.

12-5AH: P3