Xmart by Integra

VRLA - Sealed free maintenance

XMB 12-100X 12V/100H (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%.

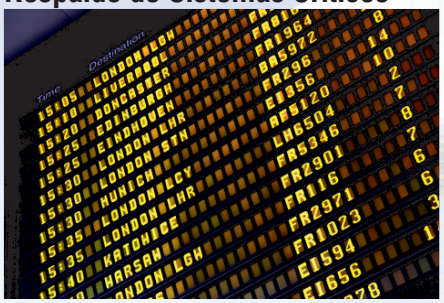
APLICACIONES PRINCIPALES

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 +50ºC
Tiempo de vida: 5 a 12 años (@ 20ºC)
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/100AH (20h)

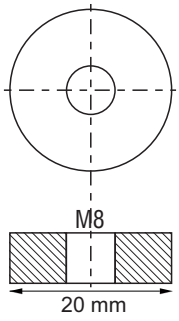
TECHNICAL SPECIFICATIONS / Especificaciones Técnicas

Nominal Voltage	12V
Nominal Capacity (10hr)	100AH
Dimension	Lenght 330+/- 2mm Width 173+/- 2mm Container Height 220+/- 2mm Total Height (with terminals) 220+/- 2mm
Approx Weight	Approx. 29 Kg (63.9 lbs)
Terminal	T11 (M8 bolt) - T13 (M8 bolt & nut)
Container Material	ABS
Rated Capacity	100.0 AH / 10.00A (10hr, 1.75V/cell, 25ºC/77ºF) 87.0 AH / 17.40A (5hr, 1.75V/cell, 25ºC/77ºF) 62.5 AH / 62.60A (1hr, 1.67V/cell, 25ºC/77ºF)
Max. Discharge Current	900A (5s)
Internal Resistance	Approx. 4.9 mili Ohm
Operating Temperature Range	Discharge: -15ºC to 50ºC (5 to 122ºF) Charge: 0ºC to 40ºC (32 to 104ºF) Storage: -15ºC to 40ºC (5 to 104ºF)
Normal Operating Temp. Range	25ºC +/- 3ºC (77ºF +/- 5ºF)
Cycle Use	Initial Charging Current less than 30.0 A. Voltage 14.4V-14.6V at 25ºC. Temp coefficient -30mV/ºC
Standby Use	No limit on initial charging current voltage 13.5V - 13.8V at 25ºC (77ºF) Temp. coefficient -20mV/ºC
Capacity affected by Temperature	40ºC (104ºF) 103% 25ºC (77ºF) 100% 0ºC (32ºF) 86%

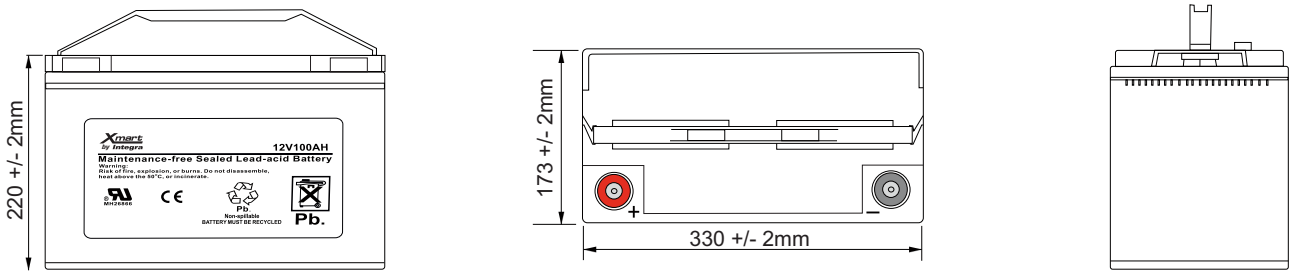
Aplicaciones

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

TERMINAL T11 / Terminal T11



DIMENSIONS / Dimensiones



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

VRLA - SEALED FREE MAINTENANCE BATTERY
12V - 100AH (10h)

Xmart by Integra

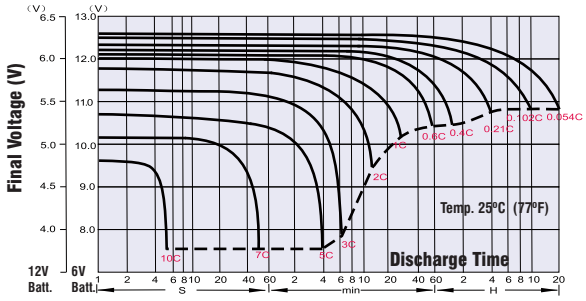
CONSTANT DISCHARGE / Descarga Constante (Amps at 25ºC)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	191.7	147.8	124.8	109.1	81.0	61.7	50.8	31.9	24.6	19.7	16.2	14.0	11.6	9.61	5.36
1.80V/cell	257.3	188.9	150.8	129.0	95.6	71.8	56.9	34.8	26.5	21.0	17.3	15.0	12.3	10.2	5.42
1.75V/cell	290.1	207.5	164.7	138.7	99.2	74.5	59.5	36.1	27.0	21.5	17.8	15.4	12.5	10.3	5.47
1.70V/cell	319.4	226.2	175.9	145.8	103.3	77.5	61.4	37.5	27.8	22.1	18.3	15.7	12.7	10.4	5.57
1.65V/cell	352.2	244.1	187.0	154.9	108.9	79.4	63.5	38.6	28.9	22.8	18.8	16.1	12.9	10.6	5.64
1.60V/cell	388.5	265.0	200.0	165.0	115.0	82.8	65.7	39.8	29.8	23.6	19.4	16.4	13.0	10.7	5.67

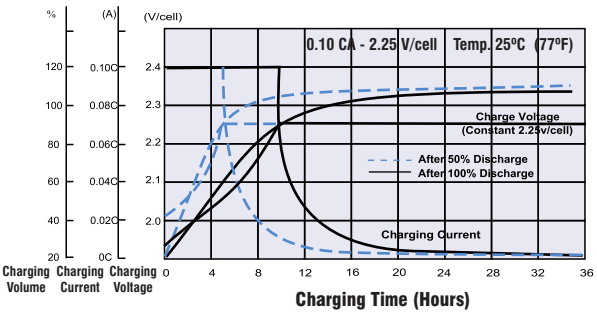
CONSTANT DISCHARGE / Descarga Constante (Watts at 25ºC)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	350.4	273.0	232.9	205.7	154.4	118.6	97.9	61.9	48.0	38.5	31.7	27.5	22.9	19.0	10.6
1.80V/cell	465.4	344.8	277.6	239.5	179.3	136.9	109.1	67.1	51.4	40.9	33.8	29.4	24.2	20.1	10.7
1.75V/cell	513.6	372.7	299.5	255.2	184.7	140.7	113.7	69.3	52.1	41.7	34.6	30.1	24.5	20.3	10.8
1.70V/cell	549.8	397.1	315.3	266.2	191.1	145.8	116.8	71.9	53.5	42.7	35.4	30.6	24.9	20.5	11.0
1.65V/cell	597.7	424.6	332.7	280.7	200.0	148.1	119.9	73.5	55.5	44.0	36.3	31.2	25.2	20.9	11.1
1.60V/cell	644.0	450.4	350.0	295.7	209.6	153.5	123.5	75.6	57.0	45.2	37.4	31.8	25.4	21.1	11.2

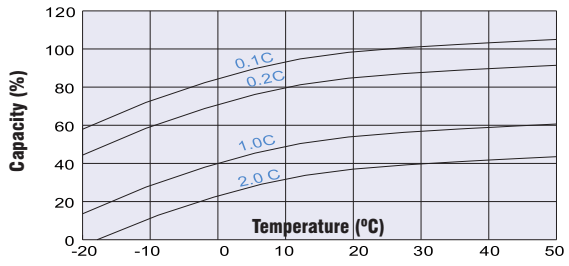
DISCHARGE CURVES / Curvas de Descarga



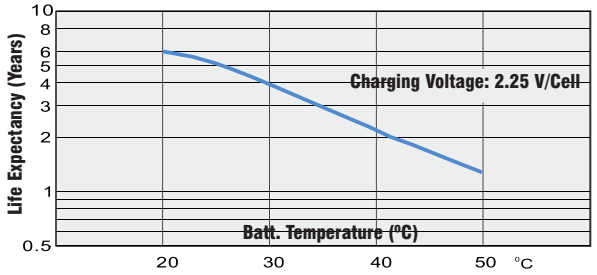
RECHARGING / Recarga



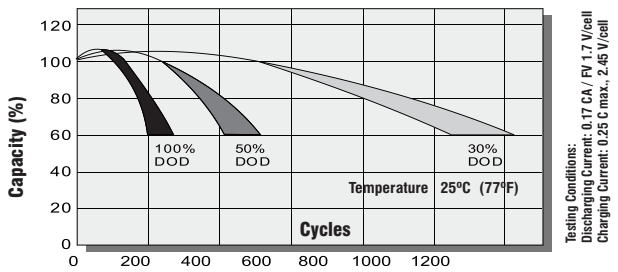
CAPACITY Vs. TEMP. / Capacidad Vs. Temp.



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



DISCHARGING CYCLES / Vida Vs. Descargas



STORAGE TIME / Tiempo de Almacenaje