VRLA & GEL BATTERIES

XMB is a sealed battery family with GEL and VRLA technology versions. Designed for deep discharge applications, our batteries offer an excellent quality, an extraordinary performance and wide variety of use. Designed and manufactured to comply with highest standards of quality, safety, and performance using state of the art technology. 100% maintenance-free and fully sealed for a safe leakless operation. Include AGM technology for an efficient gas recombination, up to 99%

FEATURES

Gel and VRLA versions available
Sealed, maintenance free batteries
AGM separators and flat plates
Options on connecting terminals
High impact ABS case
Fast Charge

BENEFITS (*)

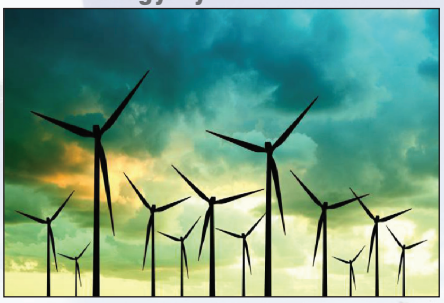
Operating Temperature: -20 to +60ºC
Lifetime: 14 years (@ 20ºC)
Lifetime in cycles:
> 2400 cycles @ 30% DOD
> 1200 cycles @ 50% DOD
> 500 cycles @ 80% DOD
High performance with low temperatures

APPLICATIONS

Telecommunications

Solar Systems

Wind Energy Systems



Illumination

UPS Systems

Critical Equipment Back up

(*) For GEL batteries

Xmart by Integra

VRLA - Sealed Maintenance-Free

XMB 12-26ES 12V/26AH (18h) VRLA-AGM BATTERIES

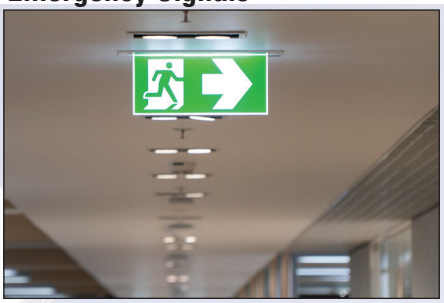
XMB is a sealed lead acid battery family (VRLA). Designed for deep discharge applications, our batteries offer an excellent quality, an extraordinary performance and wide variety of use. Designed and manufactured to comply with highest standards of quality, safety, and performance using state of the art technology. 100% maintenance-free and fully sealed for a safe leakless operation. Include AGM technology for efficient gas recombination, up to 99%

APPLICATIONS

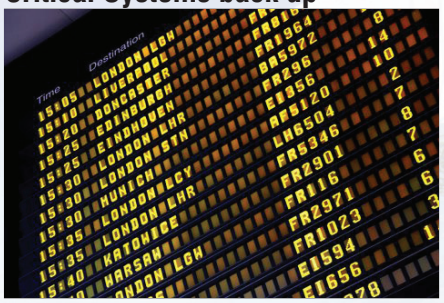
Telecommunications

Security Systems

Emergency Signals



Critical Systems back up



UPS Systems

AC/DC Inverters

FEATURES

- Sealed, maintenance free batteries
- AGM separators and flat plates
- Options on connecting terminals
- High impact ABS case (UL94-HB)
- Fast Charge
- Auto-Discharge < 3.5%/month

BENEFITS

- Operating Temperature: -15 to +50ºC
- Lifetime: 6 to 8 years (@ 20ºC)
- Lifetime in cycles:
  - > 1500 cycles @ 30% DOD
  - > 600 cycles @ 50% DOD
  - > 300 cycles @ 100% DOD
- High performance with low temperatures

VRLA - SEALED MAINTENANCE-FREE BATTERY
XMB-12V-26ES

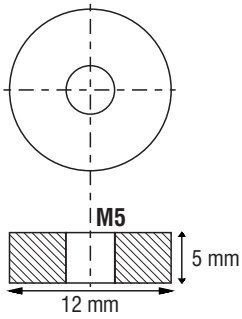
TECHNICAL SPECIFICATIONS / Especificaciones Técnicas

Nominal Voltage	12V
Nominal Capacity (18hr)	26.0AH
Dimension	Lenght 166+/- 2mm Width 175+/- 2mm Container Height 125+/- 2mm Total Height (with terminals) 125+/- 2mm
Approx Weight	Approx. 7.2 Kg (+/- 5%)
Terminal	T5
Container Material	ABS
Rated Capacity	26.0 AH / 1.44A (18hr, 1.75V/cell, 25ºC/77ºF) 22.7 AH / 2.27A (10hr, 1.75V/cell, 25ºC/77ºF) 20.5 AH / 4.19A (5hr, 1.75V/cell, 25ºC/77ºF) 18.6 AH / 6.19A (3hr, 1.75V/cell, 25ºC/77ºF) 12.5 AH / 12.54A (1hr, 1.75V/cell, 25ºC/77ºF)
Max. Discharge Current	240A (5s)
Internal Resistance	Approx. 16 mili Ohm
Operating Temperature Range	Discharge: -20ºC to 60ºC (-4 to 140ºF) Charge: 0ºC to 50ºC (32 to 122ºF) Storage: -20ºC to 60ºC (-4 to 140ºF)
Normal Operating Temp. Range	25ºC +/- 3ºC (77ºF +/- 5ºF)
Cycle Use	Initial Charging Current less than 7.2 A. Voltage 14.6V-14.8V at 25ºC. Temp coefficient -24mV/ºC
Standby Use	Initial Charging Current less than 7.2 A. Voltage 13.7V-13.9V at 25ºC. Temp. coefficient -18mV/ºC
Capacity affected by Temperature	40ºC (104ºF) 103% 25ºC (77ºF) 100% 0ºC (32ºF) 86%

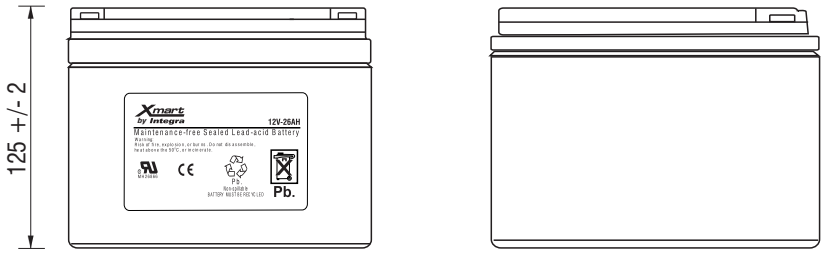
Applications

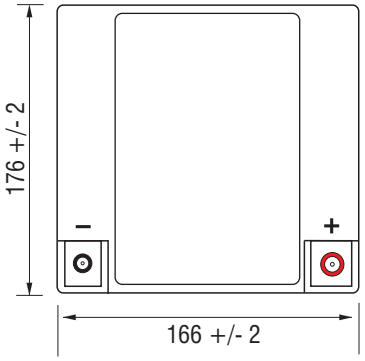
UPS
AC/DC Inverters
Emergency Signals
Communication Systems
DC Power Supplies
Electronic Equipment
Backup systems

TERMINAL T5 / Terminal T5



DIMENSIONS / Dimensiones





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

VRLA - SEALED MAINTENANCE-FREE BATTERY
XMB-12V-26ES

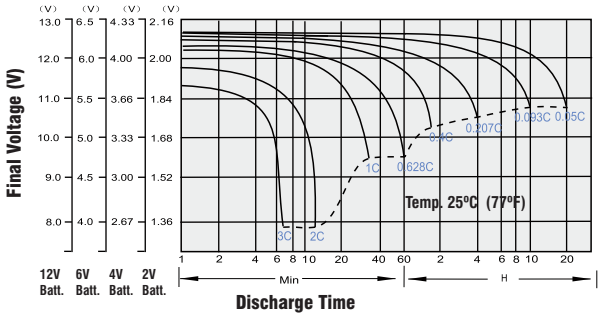
CONSTANT DISCHARGE / Descarga Constante (Amps at 25ºC)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V/cell	86.51	61.14	44.19	25.38	13.93	9.00	6.77	5.46	4.53	2.91	2.37	1.25
1.65V/cell	80.44	57.77	42.25	24.37	13.45	8.72	6.56	5.32	4.41	2.88	2.34	1.23
1.70V/cell	72.58	53.19	39.57	23.29	13.01	8.43	6.38	5.17	4.30	2.84	2.30	1.22
1.75V/cell	65.03	48.68	36.83	22.26	12.54	8.13	6.19	5.04	4.19	2.80	2.27	1.20
1.80V/cell	57.10	44.07	34.00	21.28	12.06	7.84	6.00	4.90	4.08	2.75	2.24	1.19
1.85V/cell	45.32	36.02	28.22	18.33	10.82	7.19	5.55	4.55	3.80	2.58	2.11	1.13

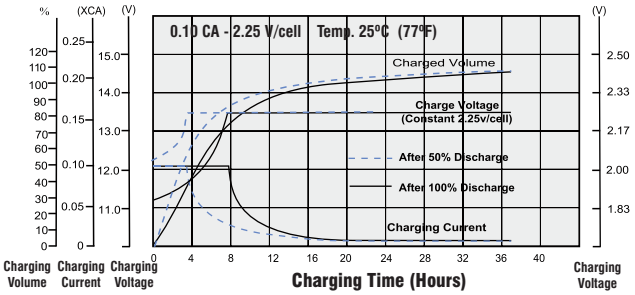
CONSTANT DISCHARGE / Descarga Constante (Watts/Cell at 25ºC)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V/cell	143.40	103.90	77.26	46.10	26.18	17.06	12.93	10.49	8.73	5.69	4.65	2.46
1.65V/cell	134.90	100.10	74.96	44.73	25.42	16.60	12.58	10.24	8.53	5.64	4.60	2.43
1.70V/cell	124.50	93.84	71.26	43.18	24.75	16.14	12.29	10.00	8.34	5.56	4.54	2.40
1.75V/cell	114.00	87.44	67.27	41.70	23.99	15.65	11.98	9.78	8.16	5.50	4.48	2.37
1.80V/cell	102.20	80.54	63.00	40.26	23.21	15.17	11.65	9.54	7.98	5.42	4.43	2.35
1.85V/cell	82.85	66.99	53.02	35.02	20.94	13.97	10.82	8.90	7.46	5.10	4.18	2.24

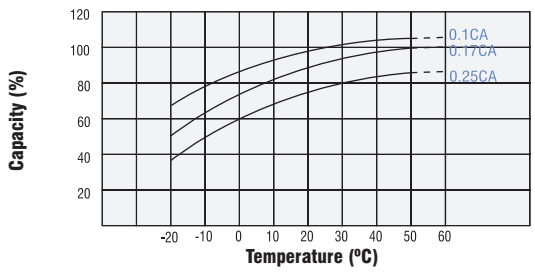
DISCHARGE CURVES / Curvas de Descarga



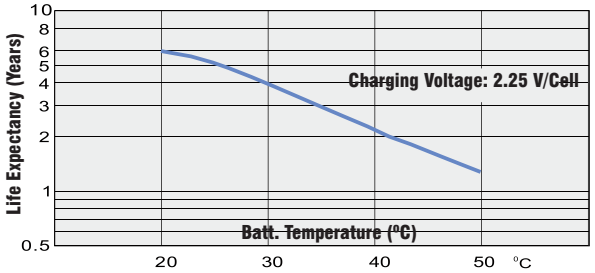
RECHARGING / Recarga



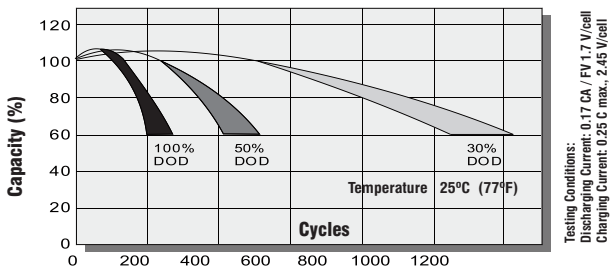
CAPACITY Vs. TEMP. / Capacidad Vs. Temp.



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



DISCHARGING CYCLES / Vida Vs. Descargas



STORAGE TIME / Tiempo de Almacenaje