

LiFePO4 BATTERY**XMB-LiFe-51.2/5KWh-100AH & 10KWh-200AH**

XMB-LiFe es una familia de baterías basadas en celdas de tecnología LiFePO4 diseñada para aplicaciones de descargas profundas cuya intención es reemplazar a las baterías de tecnología VRLA y de GEL. Diseñada para cumplir con los estándares de seguridad, rendimiento y calidad mundial más exigentes. Estas baterías vienen equipadas con un grupo de opciones y protecciones muy interesantes. Incluye un BMS por hardware para controlar y proteger la batería. Cuenta con un puerto RS485 que les permite comunicarse con inversores Xmart para operar de manera segura además de un pulsador de ON/OFF y los LEDs para informar sobre el estado de la carga (SOC) de la batería y un interruptor (Breaker) para desconectar sus terminales.

Gracias a su BMS interno, incluye protección contra: Sobrecargas, Sobre descargas, Sobre corrientes, Cortocircuitos y temperaturas fuera del rango de operación (alta y baja temperatura).

La tecnología de Ión de Litio LiFePO4 permite operar libre de mantenimiento en temperaturas entre 0 °C hasta +55 °C y soportar hasta 6.000 ciclos de carga/descarga profundas 90% (hasta 70% EOL a 25°C. con 0.5C/0.5C). Esta batería cuenta con certificación UN38.3 y CE.

**APLICACIONES****Telecomunicaciones****Sistemas Solares****UPS****CARACTERÍSTICAS**

Celdas de larga vida tipo LiFePO4
BMS y Puertos de Comunicación integrados
Pulsador ON/OFF, Breaker DC, LEDs de SOC,
Status y Alarma
Sistema de protecciones múltiples
Permite hasta 15 unidades en paralelo
Certificación UN38.3 y CE

VENTAJAS

Vida Útil: > 6000 ciclos (90% DOD 0.5C at 25°C)
Temperatura:
-Recarga: 0 to +55°C
-Descarga: -20 to +55°C
Diseño robusto y Compacto
Preparado para instalación en Pared o Suelo
IP54 e IP65 Class

LiFePO4 - MAINTENANCE-FREE BATTERY

51.2V - 100AH (5120Wh)

Xmart
by **Integra**

TECHNICAL SPECIFICATIONS / Especificaciones Técnicas

Nominal Voltage	51.2V
Nominal Capacity	100AH
Total Energy	5120Wh
Dimensions	Depth: 165 ± 2mm
	Width: 520 ± 2mm
	Total Height: 566 ± 2mm
Approx Weight	Approx. 50 Kg (110 lbs)
DC Cables	2 (Black & Red) 100A, 25 mm ² , L=1500mm. Terminals: SC25-M6 (Batt Side) & SC25-M8 (Inverter Side)
Max. Charging Current	100A
Recommended Charging Current	50A
Max. Charging Voltage	Bulk & Floating Voltage (Max.) 53.9 V
	Equalized Charging Voltage 56.0 V
Max. Discharging Current	100A
End of Discharging Voltage	48.0VDC Cycle App / 44.8VDC Backup
Operating Temperature Range	Discharge: -20°C to 55°C (-4 to 131°F)
	Recharge: 0°C to 55°C (32 to 131°F)
Storage Temperature	-40°C to +60°C (-40 to 140 °F)
	Storage at 25°C: Recharge every 6 months Storage at 40°C: Recharge every 3 months
Humidity	Operation: 0 to 95% (non condensing)
	Storage: 10 to 90% (non condensing)
Life in Cycles	> 6.000 cycles (25°C, 90% DOD & 70% EOL, 0.5C/0.5C)
Life span	> 10 years



APPLICATIONS / Aplicaciones

Telecommunications
Solar Generation Systems
Wind Power Systems
Engine Starting
Floor cleaning machines
Microgrids
Refrigeration Systems
Power Storage (Home, Industry, etc.)

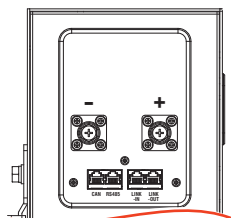
BMS: Battery Management System

BMS	Hardware BMS integrated. Supports RS485 communication with inverter. Supports Link-In/Link-Out communication for parallel operation.
Human Interface	ON/OFF push button. LED: Battery Level (25%/50%/75%/100%); ON/OFF; ALARM
Protections	Over-charge, Over-discharge, Over-current, Short-circuit. High-temperature, Low-temperature
Connection Capabilities	Up to 15 units in parallel

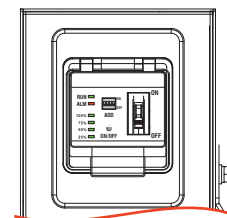
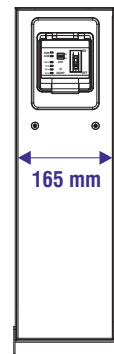
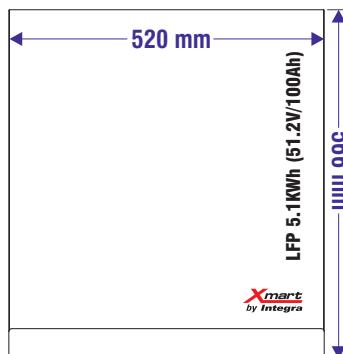
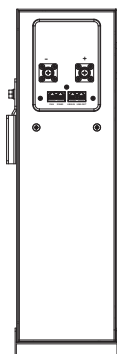
CERTIFICATIONS

IP Class	IP65
Safety	UN38.3 & CE

DIMENSIONS & DETAILS / Dimensiones y Detalles



Connection Ports
Puertos de Conexión



Operation Interface
Interfaz de Operación

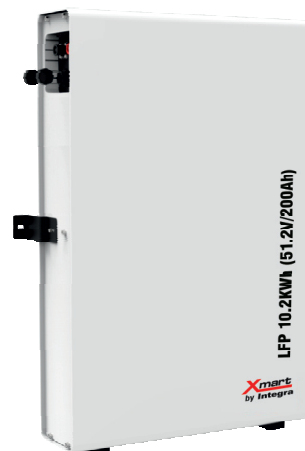
LiFePO4 - MAINTENANCE-FREE BATTERY

51.2V - 200AH (10240Wh)

Xmart
by Integra

TECHNICAL SPECIFICATIONS / Especificaciones Técnicas

Nominal Voltage	51.2V	
Nominal Capacity	200AH	
Total Energy	10240Wh	
Dimensions	Depth:	165 ± 2mm
	Width:	865 ± 2mm
	Total Height:	566 ± 2mm
Approx Weight	Approx. 96 Kg (211.6 lbs)	
DC Cables	2 (Black & Red) 200A, 50 mm ² , L=1500mm. Terminals: SC50-M8 (Batt Side) & SC50-M8 (Inverter Side)	
Max. Charging Current	200A	
Recommended Charging Current	100A	
Max. Charging Voltage	Bulk & Floating Voltage (Max.)	53.9 V
	Equalized Charging Voltage	56.0 V
Max. Discharging Current	200A	
End of Discharging Voltage	48.0VDC Cycle App / 44.8VDC Backup	
Operating Temperature Range	Discharge:	-20°C to 55°C (-4 to 131°F)
	Recharge:	0°C to 55°C (32 to 131°F)
Storage Temperature	-40°C to +60°C (-40 to 140 °F)	
	Storage at 25°C:	Recharge every 6 months
Humidity	Storage at 40°C:	Recharge every 3 months
	Operation:	0 to 95% (non condensing)
Life in Cycles	Storage:	10 to 90% (non condensing)
	> 6,000 cycles (25°C, 90% DOD & 70% EOL, 0.5C/0.5C)	
Life span	> 10 years	



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Microgrids
Refrigeration Systems
Power Storage (Home, Industry, etc.)

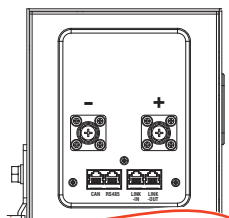
BMS: Battery Management System

BMS	Hardware BMS integrated. Supports RS485 communication with inverter. Supports Link-In/Link-Out communication for parallel operation.
Human Interface	ON/OFF push button. LED: Battery Level (25%/50%/75%/100%); ON/OFF; ALARM
Protections	Over-charge, Over-discharge, Over-current, Short-circuit. High-temperature, Low-temperature
Connection Capabilities	Up to 15 units in parallel

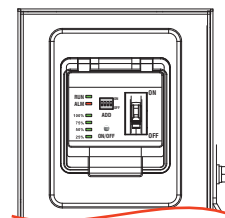
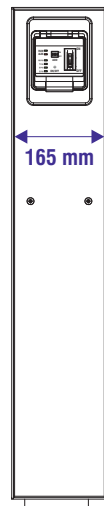
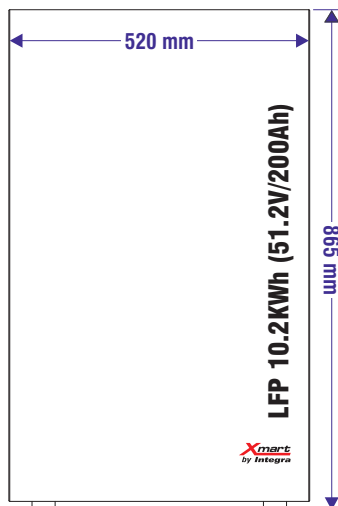
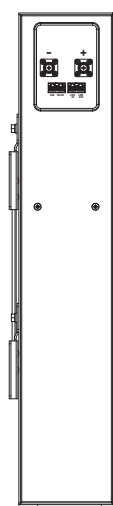
CERTIFICATIONS

IP Class	IP65
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DIMENSIONS & DETAILS / Dimensiones y Detalles



Connection Ports
Puertos de Conexión



Operation Interface
Interfaz de Operación

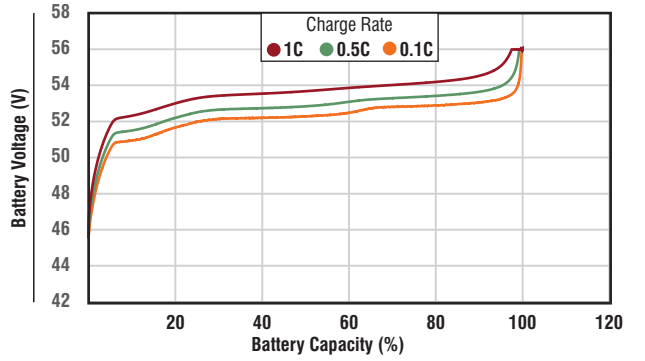
LiFePO4 - MAINTENANCE-FREE BATTERY

51.2V - 100AH (5120Wh) & 200AH (10240Wh)

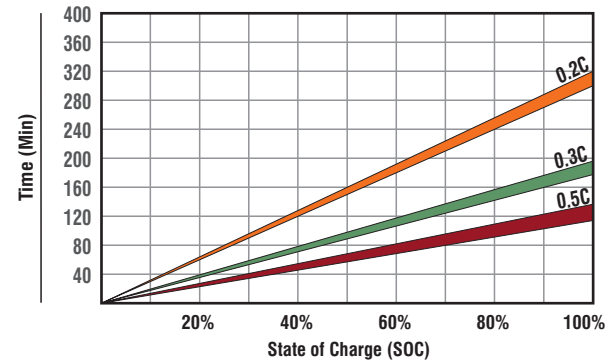


CHARGING & DISCHARGING INFORMATION / Información de carga y descarga

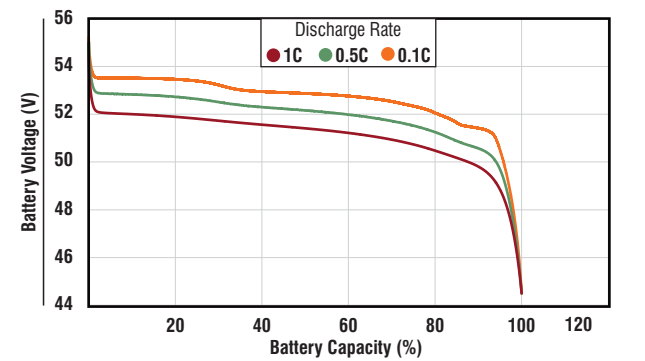
Charging Voltage / Tensión de Recarga (25°C)



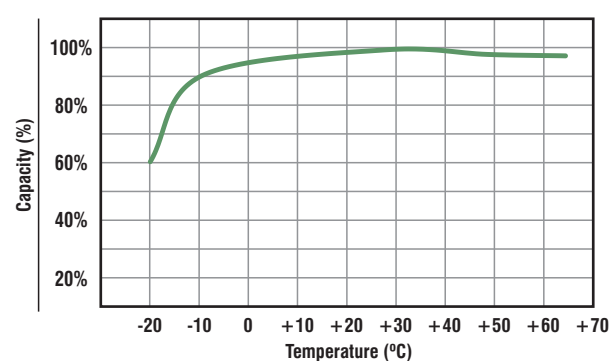
Recharging Time / Tiempo de recarga



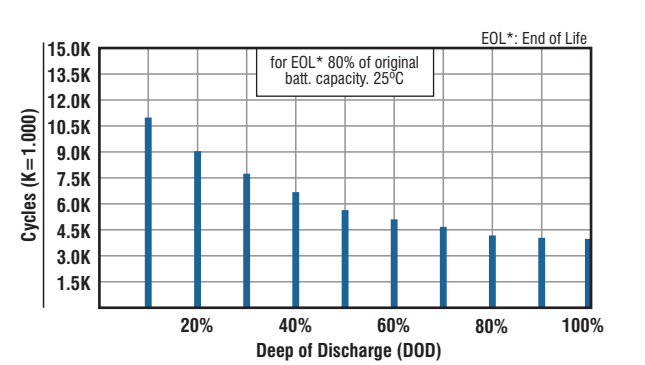
Discharging / Descarga (vs discharge rates @ 25°C)



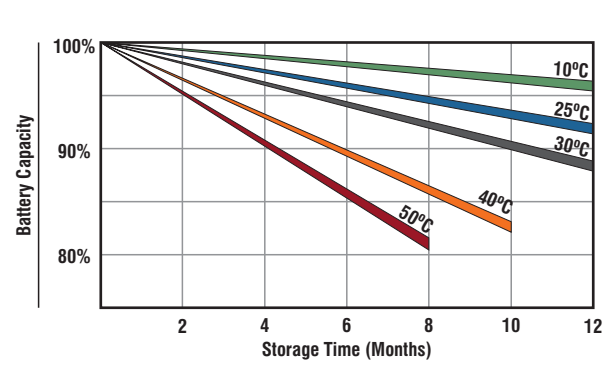
Capacity vs Temperature / Capacidad vs Temperatura



Lifespan in Cycles / Ciclos de carga-descarga (vs DOD)



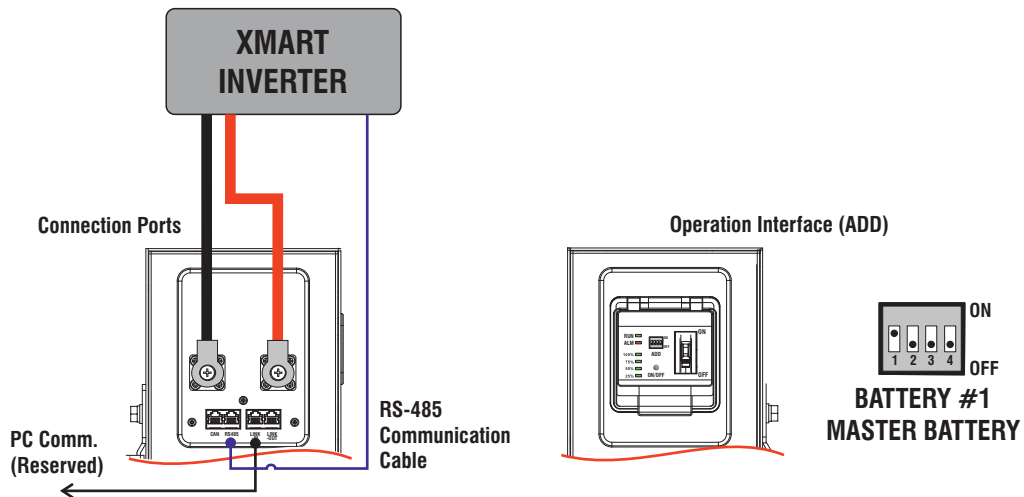
Self Discharge / Descarga en Almacén (vs Temp. °C)



LiFePO4 - MAINTENANCE-FREE BATTERY 51.2V - 100AH (5120Wh) & 200AH (10240Wh)



WIRING - SINGLE INVERTER & SINGLE BATTERY / Cableado - Inversor y Baterías individuales



WIRING - PARALLEL INVERTER & PARALLEL BATTERY / Cableado - Inversor y Baterías En Paralelo

