



LITHIUM IRON PHOSPHATE (LIFEPO4) BATTERY

12.8V 18Ah

CARACTÉRISTIQUES ÉLECTRIQUES / ELECTRICAL CHARACTERISTICS

TENSION NOMINALE	NOMINAL VOLTAGE	12.8V
CAPACITÉ NOMINALE	NOMINAL CAPACITY	18Ah
DIMENSIONS	DIMENSIONS	
• Longueur	• Length	181±1 mm
• Largeur	• Width	77 ±1 mm
• Hauteur	• Height	167 ±1 mm
• Hauteur totale (avec cosSES)	• Total height with terminals	167.5 ±1 mm
POIDS	WEIGHT	Approx. 2.70 Kg
TYPE DE COSSES	TERMINAL UK	T3 (cosse plate M6)
BAC	BAC UK	ABS
ÉNERGIE	ENERGY	230.4Wh
RÉSISTANCE INTERNE	INTERNAL RESISTANCE	≤50mΩ
CYCLE DE VIE	CYCLE LIFE	>2000 cycles
TENSION DE CHARGE	CHARGE VOLTAGE	14.6±0.2V
MODE DE CHARGE	CHARGE MODE	0.2C TO 14.6V, then 14.6V, charge current to 0.02C (CC/CV)
COURANT DE CHARGE	CHARGER CURRENT	9A
COURANT DE CHARGE MAX.	MAX. CHARGE CURRENT	18A
TENSION FIN DE CHARGE	CHARGE CUT-OFF VOLTAGE	15.6V±0.2V
COURANT CONTINU	CONTINUOUS CURRENT	36A
COURANT D'IMPULSION MAX.	MAX. PULSE CURRENT	50A(<3S)
TENSION FIN DE DÉCHARGE	DISCHARGE CUT-OFF VOLTAGE	8V
TEMPÉRATURE DE CHARGE	CHARGE TEMPERATURE	0°C to 45°C (32F TO 113F) at 60±25% Relative Humidity
TEMPÉRATURE DE DÉCHARGE	DISCHARGE TEMPERATURE	-20°C to 60°C (-4F to 140F) at 60±25% Relative Humidity
TEMPÉRATURE DE STOCKAGE	STORAGE TEMPERATURE	0°C to 40°C (32F to 104F) at 60±25% Relative Humidity



FR : Techniquement, la technologie LIFEPO4 surpasse sur tous les points la technologie plomb : fiabilité, sécurité, propreté, performances =

- Seulement 1/2 du poids de votre batterie plomb d'origine
- Durée de vie théorique 4 à 5 fois supérieure aux batteries plomb (2000 cycles contre 500 cycles max pour le plomb)
- Plus sécurisant : Aucune fuite possible, aucun acide dans la batterie. Aucun risque d'explosion ou de combustion après un choc, un court-circuit ou une surchauffe.
- Plus écologique : Pas de plomb, pas de cadmium, pas de mercure
- Performance : 2 fois plus performante qu'une batterie plomb, même à haut décharge

UK: Longer Cycle Life: Offers up to 20 times longer cycle life and five times longer float/calendar life than lead acid battery, helping to minimize replacement cost and reduce total cost of ownership.

Lighter Weight: About 40% of the weight of a comparable lead acid battery. A 'drop in' replacement for lead acid batteries.

Higher Power: Delivers twice power of lead acid battery, even high discharge rate, while maintaining high energy capacity.

Wider Temperature Range: -20 C~60 C.

Superior Safety: Lithium Iron Phosphate chemistry eliminates the risk of explosion or combustion due to high impact, overcharging or short circuit situation.

Increased Flexibility: Modular design enables deployment of up to four batteries in series and up to ten batteries in parallel.

APPLICATIONS / APPLICATIONS

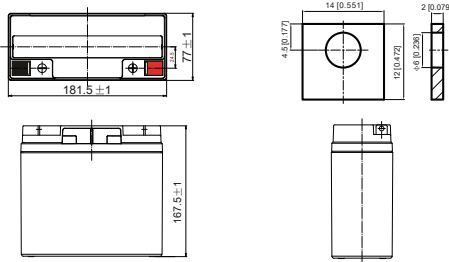
VÉHICULES ÉLECTRIQUES	ELECTRIC VEHICLES, ELECTRIC MOBILITY
SOLAIRE, ÉOLIEN	SOLAR/WIND ENERGY STORAGE SYSTEM
ONDULEUR, SAUVEGARDE	UPS, BACKUP POWER
TÉLÉCOMMUNICATION	TELECOMMUNICATION
ÉQUIPEMENT MÉDICAL	MEDICAL EQUIPMENT
ÉCLAIRAGE	LIGHTING



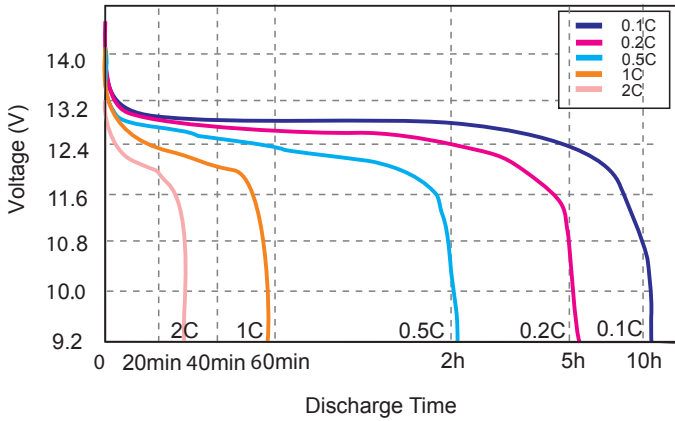
DIMENSIONS / DIMENSIONS

T3 / Terminal

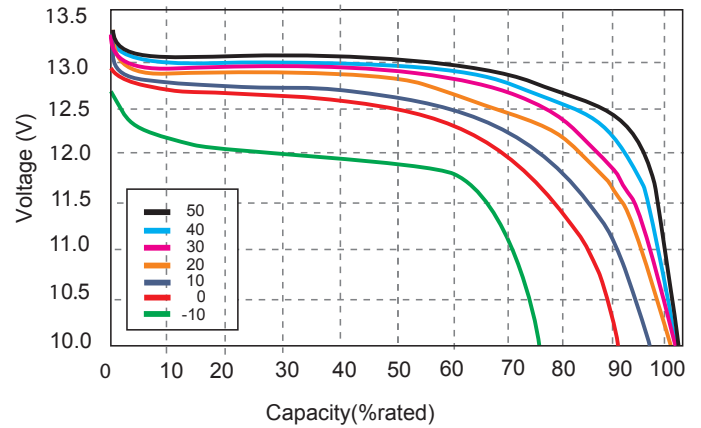
Unité : mm / Unit: inches



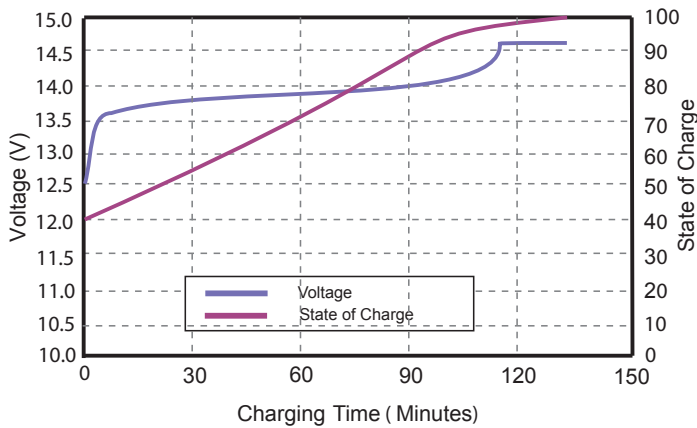
DIFFERENT RATE DISCHARGE CURVE AT 25°C



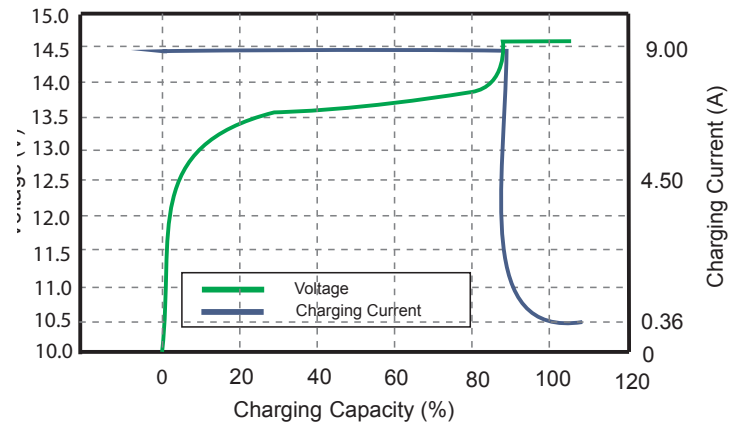
DIFFERENT TEMPERATURE DISCHARGE CURVE AT 0.5°C



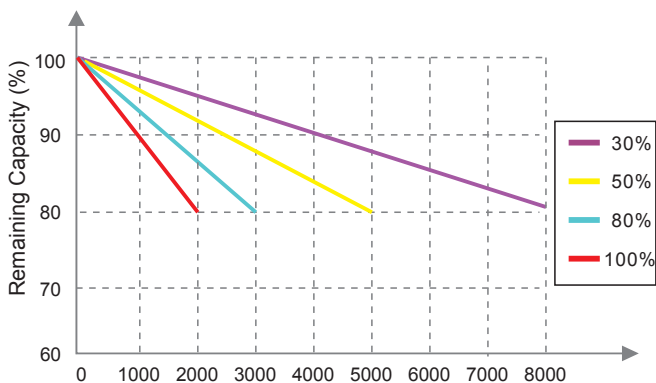
STATE OF CHARGE CURVE AT 25°C



CHARGING CHARACTERISTICS AT 0.5°C



STATE OF CHARGE CURVE AT 25°C



CHARGING CHARACTERISTICS AT 0.5°C

