LITHIUM IRON PHOSPHATE (LIFEPO4) BATTERY

12.8V 7.5Ah

CARACTÉRISTIQUES ÉLECTRIQUES / ELECTRICAL CHARACTERISTICS

TENSION NOMINALE / NOMINAL VOLTAGE: 12.8V
CAPACITÉ NOMINALE / NOMINAL CAPACITY: 7.5Ah

DIMENSIONS

• Longueur: 151±1 mm
• Largeur: 65 ±1 mm
• Hauteur: 93.5 ±1 mm
• Hauteur totale (avec cosses): 99 ±1 mm

POIDS / WEIGHT: Approx. 1.10 Kg

TYPE DE COSSES / TERMINAL UK: T2

BAC / BATTERY: BAC UK
ENRÉGIE / ENERGY: 96Wh
RÉSISTANCE INTERNE / INTERNAL RESISTANCE: ≤60mΩ

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: 4A
COURANT DE CHARGE MAX. / MAX. CHARGE CURRENT: 7.5A
TENSION FIN DE CHARGE / CHARGE CUT-OFF VOLTAGE: 15.6V±0.2V
COURANT CONTINU / CONTINUOUS CURRENT: 15A
COURANT D’IMPULSION MAX. / MAX. PULSE CURRENT: 20A(<3S)
TENSION FIN DE DÉCHARGE / DISCHARGE CUT-OFF VOLTAGE: 8V

TEMPÉRATURE DE CHARGE / CHARGE TEMPERATURE: 0°C to 45°C (32°F TO 113°F) at 60±25% Relative Humidity
TEMPÉRATURE DE DÉCHARGE / DISCHARGE TEMPERATURE: -20°C to 60°C (-4°F to 140°F) at 60±25% Relative Humidity
TEMPÉRATURE DE STOCKAGE / STORAGE TEMPERATURE: 0°C to 40°C (32°F to 104°F) at 60±25% Relative Humidity

APPLICATIONS / APPLICATIONS

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

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DIFFERENT RATE DISCHARGE CURVE AT 25°C

Different DOD Discharge Cycle Life Curve @1C

STATE OF CHARGE CURVE AT 25°C

CHARGING CHARACTERISTICS AT 0.5°C

DIFFERENT TEMPERATURE DISCHARGE CURVE AT 0.5°C