



K2 ENERGY®

K2 | LiFePO4

2013 Product Catalog | Batteries & Modules



Rechargeable Lithium Iron Phosphate Battery

Recommended Operating Conditions

- Continuous Discharge | 80A
- Pulse Discharge | 200 amperes | 25A
- Charge Current | 5A, 8A
- Charge Voltage Cutoff | 29.2V
- Discharge Voltage Cutoff | 20.0V
- Highest Operating Temperature | 60°C
- Lowest Operating Temperature | -20°C

Maximum Operating Conditions

- Max Continuous Discharge | 120A
- Max Pulse Discharge | 250A
- Max Charge Current | 20A
- Max Charge Voltage Cutoff | 2.95V
- Max Discharge Voltage Cutoff | 1.85V
- Max in series | Home DEP systems
- Max in parallel | Unlimited

CAUTION:

- Do NOT short circuit
- Do NOT crush
- Do NOT incinerate
- Do NOT heat above 60 °C
- Do Not disassemble
- Only use K2 approved charge

ENGINEERED IN THE USA
K2 Energy
www.k2battery.com



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ENGINEERING EXCELLENCE



Superior Power

Provides consistent power over a wide range of states of discharge for greater pack utilization



Highest Energy Density

Industry's highest LFP energy density with unmatched efficiency & performance



Safety

Proven chemically safe formula providing abuse tolerance over lithium oxide chemistries



Environmental Friendly

No harmful or expensive heavy metals - Fully recyclable with minimal harmful environmental impact



Cycle Life

Delivers thousands of cycles at 100% depth of discharge - 10X the life of traditional lead acid



Light Weight

Up to 30% the size and weight of traditional lead acid batteries at equivalent capacity



K2 LITHIUM ION | ENERGY BATTERY

K2B12V07EB

PN: K2B12V7EB

Nominal Capacity @ C/5 (Ahr)	6.4
Average Operating Voltage @ C/5 (V)	12.8
Height Width Length (mm)	97.3 64.3 151 mm
Height Width Length (inch)	3.830 2.531 5.945 in
Weight (kg lbs)	0.9 2.0



K2 LITHIUM ION | ENERGY BATTERY

K2B12V10EB

PN: K2B12V10EB

Nominal Capacity @ C/5 (Ahr)	9.6
Average Operating Voltage @ C/5 (V)	12.8
Height Width Length (mm)	97.3 64.3 151 mm
Height Width Length (inch)	3.830 2.531 5.945 in
Weight (kg lbs)	1.3 2.8



K2 LITHIUM ION | ENERGY BATTERY

K2B12V19EB

PN: K2B12V19EB

Nominal Capacity @ C/5 (Ahr)	19.2
Average Operating Voltage @ C/5 (V)	12.8
Height Width Length (mm)	165 89.5 115 mm
Height Width Length (inch)	6.496 3.524 4.528 in
Weight (kg lbs)	2.5 5.51



K2 LITHIUM ION | ENERGY BATTERY

K2B24V10EB

PN: K2B24V10EB

Nominal Capacity @ C/5 (Ahr)	9.6
Average Operating Voltage @ C/5 (V)	12.8
Height Width Length (mm)	165 89.5 115 mm
Height Width Length (inch)	6.496 3.524 4.528 in
Weight (kg lbs)	2.5 5.51



K2 LITHIUM ION | ENERGY MODULE

K2B3V51E

PN: K2B3V51E

Nominal Capacity @ C/5 (Ahr)	51.2
Average Operating Voltage @ C/5 (V)	3.2
Height Width Length (mm)	142 81.3 121.4 mm
Height Width Length (inch)	5.590 3.201 4.780 in
Weight (kg lbs)	1.86 4.1



K2 LITHIUM ION | ENERGY MODULE

K2B3V90E

PN: K2B3V90E

Nominal Capacity @ C/5 (Ahr)	89.6
Average Operating Voltage @ C/5 (V)	3.2
Height Width Length (mm)	222.3 81.3 121.4 mm
Height Width Length (inch)	8.752 3.201 4.780 in
Weight (kg lbs)	3.06 6.75



K2 LITHIUM ION | POWER MODULE

K2B3V41P

PN: K2B3V41P

Nominal Capacity @ C/5 (Ahr)	41.6
Average Operating Voltage @ C/5 (V)	3.2
Height Width Length (mm)	142 81.3 121.4 mm
Height Width Length (inch)	5.590 3.201 4.780 in
Weight (kg lbs)	1.81 4.0



K2 LITHIUM ION | POWER MODULE

K2B3V73P

PN: K2B3V73P

Nominal Capacity @ C/5 (Ahr)	72.8
Average Operating Voltage @ C/5 (V)	3.2
Height Width Length (mm)	222.3 81.3 121.4 mm
Height Width Length (inch)	8.752 3.201 4.780 in
Weight (kg lbs)	3.00 6.61



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