

# KBI

# KAPower<sup>®</sup> Super Capacitors



# Get Your Engine Started...Everytime!

**Even with Run-Down Batteries & in the Coldest Weather  
Provides Reliable Auxiliary Cranking Power for Equipment  
Loaded with Today's Battery Draining Accessories**

- Stores Cranking Voltage Until You Need It
- Increases the Life of Your Batteries
- Long Service Life – 300,000 + Cycles
- Performance Unaffected by Cold Temperatures
- Requires NO Maintenance
- Safe & Easy to Install

## TYPICAL TECHNICAL CHARACTERISTICS

Subject to change based on application

|  |                             |
|--|-----------------------------|
| Nominal Voltage Window   | 6.5 - 13 Volts              |
| Operating Voltage Window   | 3.0 - 14.5 Volts            |
| Energy Stored at Nominal Voltage Window  | 60 Kilojoule                |
| Capacitance  | 1000 F                      |
| Internal Resistance, Ohm, +68°F (+20°C)  | 0.003                       |
| -22°F (-30°C)  | 0.0045                      |
| Maximum Power  | 17 kW                       |
| Charged Capacitor Voltage Reduction After 6 Months of Storage at +20°C (+68°F), not more | 6                           |
| Cycle Life Duty, not less than   | 300,000                     |
| Operating Temperature Range,   | -58 to 122°F<br>-50 to 50°C |
| Weight   | 30.8 lbs..                  |
| Overall Dimensions ( L x W x H ), inches   | 13.2 x 3.48 x 9.92          |

# KBI

www.koldban.com

8390 Pingree Road  
Lake In The Hills, IL USA 60156-9637  
1-800-527-8278  
847-658-8561 • fax 847-658-9280

# KBI KAPower®

## Electrical Power Source

### Advantages of Battery/ Super Capacitor System

#### High Power Cranking

Generates currents 2-3 times higher than the battery-only system during the critical, initial 2-3 seconds of cranking motor engagement.

#### Second Chance Starting

Allows the capacitor to recharge in 30 seconds, for a second try at nearly the same power level.

#### Constant-Life Performance

Maintains "new battery" starting performance over the life of the battery. Only the capacitor charging time is increased.

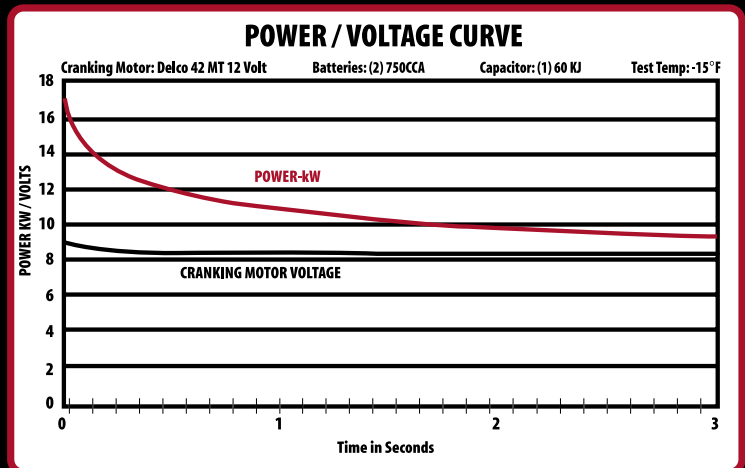
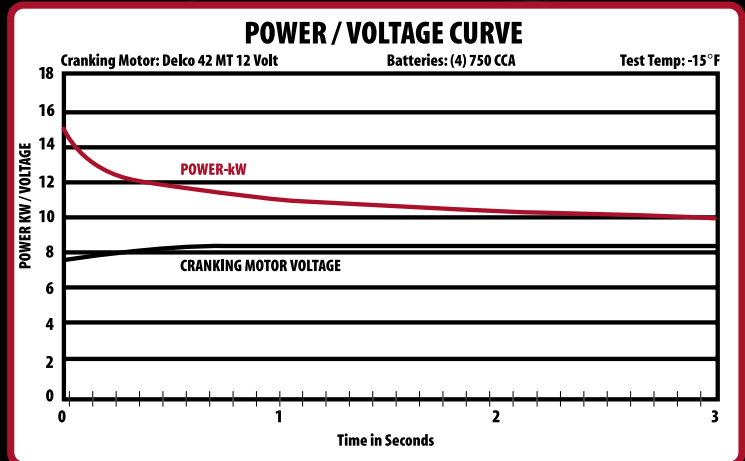
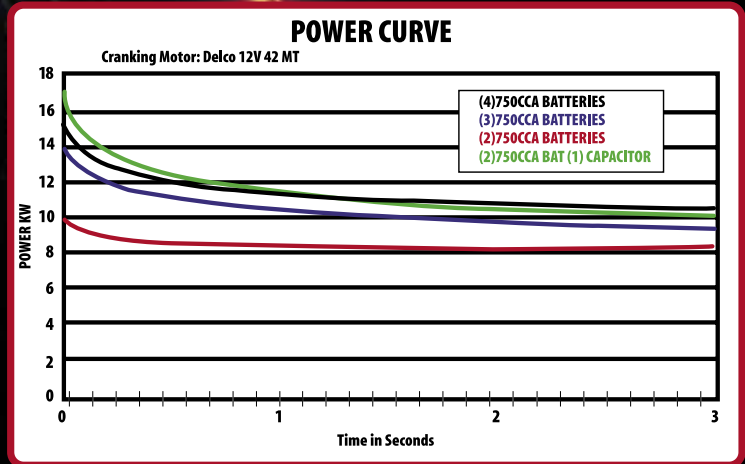
#### Weight Reduction

The capacitor is a non-lead product. Weight reduction can be achieved without loss of cranking power.

*KBI's revolutionary new KAPower® Super Capacitors utilize space-age technology adapted to meet the demanding engine cranking needs of today's accessory-laden diesel engines.*

*KAPower® is designed as an auxiliary power source to be installed in parallel with your cranking batteries. It derives its power from your batteries and discharges this power when needed. KAPower® has an essentially unlimited charge/discharge cycle life, and can be recharged indefinitely - even by rundown batteries. KAPower® is virtually unaffected by cold temperatures, and it maintains over 95% of its cranking power at -25°F- and below.*

*KAPower® is maintenance-free, and boasts an extremely long service / shelf life. It is easy to install - requiring only a simple charging circuit and parallel connection to the cranking batteries.*



GET CRANKING WITH **KBI KAPower®**

**KBI**  
www.koldban.com

8390 Pingree Road  
Lake In The Hills, IL USA 60156-9637  
1-800-527-8278  
847-658-8561 • fax 847-658-9280