



RAIL REGEN SYSTEM

500kW Energy Storage System DC Power System

**The
Power
Of
Choice**

Specifications:

| | |
|----------------------------------|---|
| Rated Power | 500 kW |
| Duration | 12 seconds |
| Useable Energy Storage | 6000 kW-sec |
| Flywheel Rotational Speed | 9 kRPM — 7 kRPM |
| Input | |
| Input Voltage | 450—1000 VDC |
| Recharge Rate | 12 seconds |
| Stand by Losses | 5000 watts |
| Output | |
| Voltage Discharge | 400—980 VDC (adjustable per application) |
| Voltage Regulation | +/- 1% |
| DC Ripple | less than 2% |
| Environmental | |
| Operating Temperature | -4°F to 104°F(-20°C to 40°C) |
| Humidity | 95% non-condensing |
| Altitude | 5,000 ft. max without derating |
| Audible Noise | 66 dBA at 3.3 ft. (1 m) |
| Dimensions & Weight | |
| Height | 79.0 in. (2007 mm) |
| Width | 78.0 in. (1981 mm) |
| Depth | 34.0 in. (864 mm) |
| Weight | 7500 lbs (3402 kg) |

