



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)

