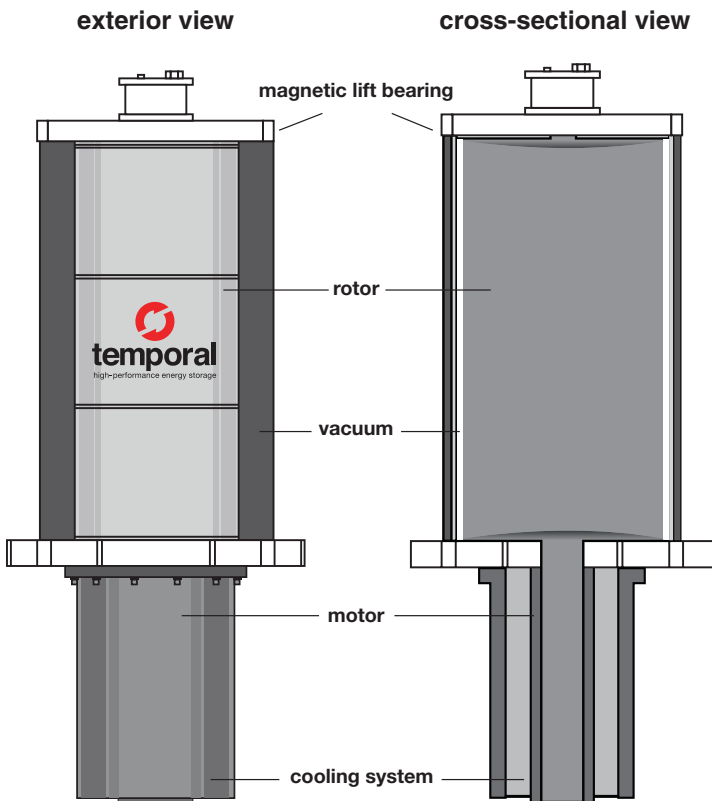


# speed. range. endurance.



## technical specifications: the temporal flywheel

energy capacity	50 kWh
rated power of models	
model FES 50.500	+/- 500 kW
model FES 50.250	+/- 250 kW
model FES 50.100	+/- 100 kW
power delivery (2 seconds)	175%
var capability	100% of rated power
reponse time to full power	<10ms
input voltage	480VAC 3 phase
output frequency	50 Hz or 60 Hz
operating temperature	-40 to +55 deg. C
lift bearing	permanent magnet
average standby losses	500 W
roundtrip AC to AC efficiency	85%
flywheel material	steel
toxic components	none
recyclable	yes
cycles @ 100% depth of discharge	unlimited
duty cycle rating	100%
operating design life	20 years