



**KES360 Technical Specifications (2017)**

<b>Features</b>	
Energy storage capacity	360 kWh
Maximum output power	30, 60, 90, 150, 375 kW
Reliability	Over 50 years (core kinetic energy material life)
Charge/discharge cycle life	> 25,000 full depth-of-discharge (DoD) cycles
<b>Electrical Interface</b>	
Input voltage/frequency	480 VAC 3 phase, 50 or 60 Hz
Maximum current	225 A
Efficiency	> 85 % Round trip AC to AC
Power factor	> 0.99
Total harmonics	< 4%
<b>Operating Environment</b>	
Operating Temperature:	-40 to 40 C
Storage Temperature:	-60 to 60 C
Humidity:	10 - 95% RH, non-condensing
<b>Mechanical</b>	
Outer dimensions	8 feet diameter, 10 feet high (without motor module) (2.44 m diameter, 3.05 m high)
Weight	57,200 lb (26,000 kg)
Installation on site	15 ft (4.57 m) below grade, 11 ft (3.35 m) diameter
<b>Data Communications and Monitoring</b>	
Data communications	Modbus or DNP3 over TCP/IP
Monitoring	Internet-based
Network:	1 LAN 10/100 BaseT, 1 Cellular communication (optional), 1 Wi-Fi (optional)