

## Technical Specifications: Mega Ark

System Specification	
AC Output/Input Power	500kW
AC Output Frequency and Voltage	50/60Hz; 480Vac
Grid Type	3W Custom Transformer
THD	<3%
Power Factor	-1 to +1
System Communication	ETH
Black Start	Yes
Fire Detection	Heat and Smoke Detection and Extinguishment
Fire Alarm	Alarm Panel, Strobes and Horns with UPS Backup
Aux Load	10kW
Auxiliary Power Interface	208Vac, 3W+N+PE
Auxiliary Power Back Up	30 mins (Important Load)
Local Emergency Stop	Yes
Remote Stop/Shut-off	Yes
Battery Technical Specification	
Energy Configuration	1060kWh
Battery Operating Voltage	642V-868V
Battery Communication	CAN, RS485
Pack Configuration	1P14S (14 Cells)
Rack Configuration	1P238S (17 Packs)
Stack Configuration	5*1P238S (5 Racks)
Other Technical Specification	
Dimension (feet)	19.9W/8D/9.5H
Weight Approximate	18.2 tons
IP Rating of Enclosure	IP54
Selismic Parameter	Zone 4
Noise @1m Distance	≤75 dB
Operating Temperature Range	-22°F to 140°F (> 113°F Derating)
Relative Humidity	≤95% (Non Condensing)