



Performance Testing: Epower Hybrid VS. Typical Diesel



Distance in nautical miles at 5.0 knots on batteries only. *

Cruising duration at 5.0 knots on batteries only. *

Distance in nautical miles at 5.0 knots using batteries and generator with 50 gallons of fuel.

Cruising duration at 5.0 knots using batteries and generator with 50 gallons of fuel.

Miles per gallon at 5.0 knots using batteries and generator.

Cost of power per nautical mile at 5.0 knots using batteries only @ \$ 0.12/kW/hour.

	EP 4000	EP 2000	Typical Diesel
Distance in nautical miles at 5.0 knots on batteries only. *	46.66 NM	21.5 NM	0NM not capable
Cruising duration at 5.0 knots on batteries only. *	9 Hrs 20 min	5 Hrs 30 min	0 HRS not capable
Distance in nautical miles at 5.0 knots using batteries and generator with 50 gallons of fuel.	812 NM	1079 NM	382 NM
Cruising duration at 5.0 knots using batteries and generator with 50 gallons of fuel.	162 Hrs	215.5 Hrs	76 Hrs
Miles per gallon at 5.0 knots using batteries and generator.	16.23 MPG	21.58 MPG	7.65 MPG
Cost of power per nautical mile at 5.0 knots using batteries only @ \$ 0.12/kW/hour.	\$ 0.08	\$ 0.07	\$ 0.59

* Performance Testing Batteries: EP 4000, Lithium Iron • EP 2000, AGM