



# Electric Outboard

# EP-100

U.S. Patent Number 8,912,698

## motor performance **Elco EP-100**

Boat size ranges	50' - 85'
Horse power diesel equivalency	100 h.p.
Suggested horsepower replacement range	75 - 125 h.p.
Peak kW	73.5 kW
Continuous kW	42.5 kW
Miles per gallon equivalency	12 mpg
Length	35"
Width	18.82"
Height	19.25"
Weight	740 lbs



ELECTRIC

### E-POWER ELECTRIC PERFORMANCE

Cruising speed*	7 - 9 knots
Cruising time*	6 - 2 hours
Cruising range*	34 - 18 nm
Recharging time standard charger*	3 - 4 hours
Recharging time quick charger*	2 - 3 hours
Number of 12 volt 8-D batteries (245 Ah)	12 batteries
Battery bank voltage in total	144 vdc
Amps (maximum)	295 amps
Kilowatts (peak output kW rating)	73.5 kW
Kilowatts (continuous output kW rating)	42.5 kW
Charger	Elcon PFC5000
Quick charger (optional)	Elcon PFC8000



HYBRID

### E-POWER HYBRID ELECTRIC PERFORMANCE: OPTIONAL GENERATOR

Genset kilowatt size (AC or DC)*	12 - 25 kW
Typical fuel tank capacity for genset (gallons)	125 gal
Cruising speed*	7 - 9 knots
Cruising time*	81 - 49 hours
Cruising range*	583 - 437 nm
Number of 12 volt 8-D batteries (245 Ah)	12 batteries
Battery bank voltage	144 vdc
Charger(s) required	2 - 3 chargers
Charger	Elcon PFC8000
Genset (continuous output rating)	Northern Lights M844LW3 (20kW) Northern Lights M944W3 (30kW) or Northern Lights M864W3 (25kW)

\*Actual performance may vary based on operating conditions, figures above when traveling between 60-80% of hull speed. \*\*Shore power-50% depth of discharge  
To convert from nautical miles (nm) to statute miles multiply nm by 1.15. With Electric Hybrid system additional kilowatts should be added depending on house loads (1,000 watts equals 1kW)