

Capstone Drive Solution

Range Extender

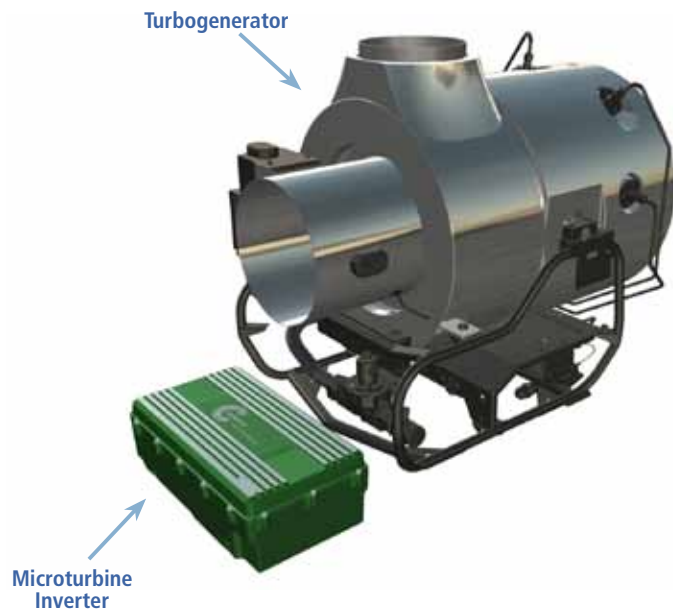


Capstone offers a range extender for use in Hybrid Electric Vehicles (HEV). The system is suitable from passenger vehicles to Class 8 heavy-duty tractor, heavy-duty truck and transit buses as well as for marine duty.

- Ultra-low emissions
- Ability to operate on alternative fuels
- Low sound levels
- Essentially no vibration
- Light-weight
- Low maintenance
- Easy integration into electric vehicles
- Vehicle aerodynamic optimization

Included in Capstone Range Extender Solution:

- C30 or C65 MicroTurbine® with liquid-cooled inverter

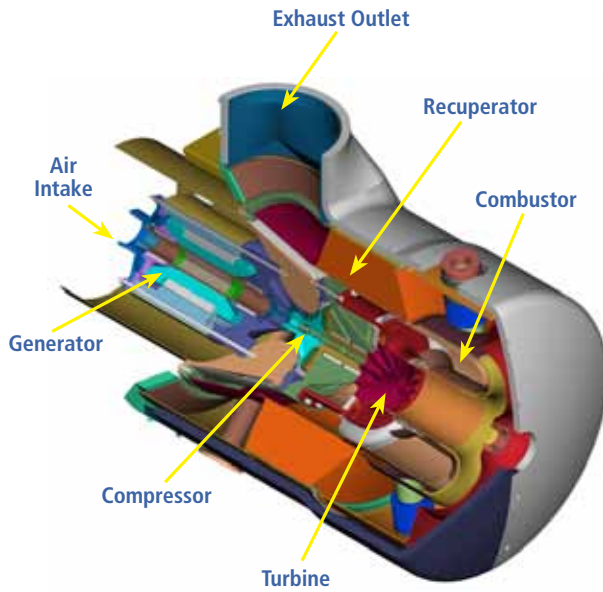
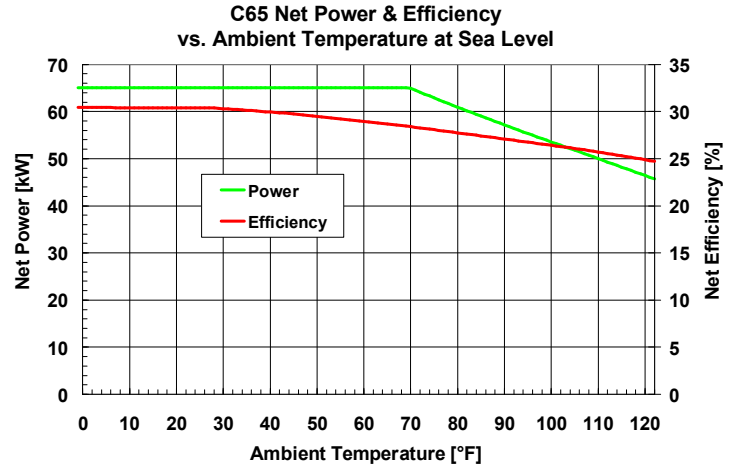
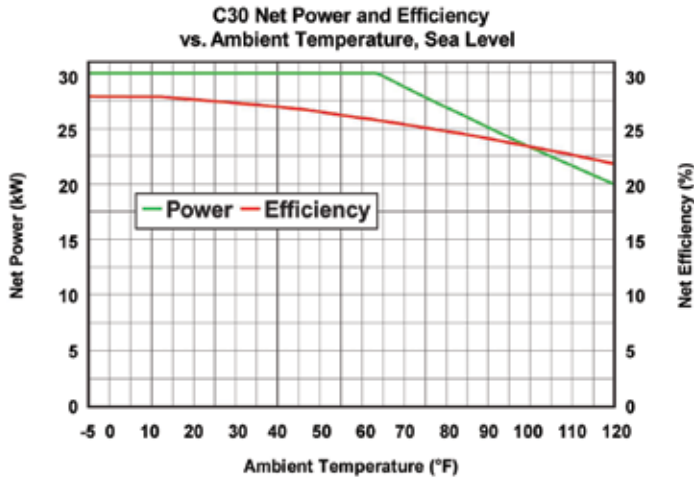


Microturbine ⁽¹⁾

Model	C30	C65
Electrical Power Output	30kW	65kW
Voltage	550–650 VDC	550–650 VDC
Electrical Efficiency	26%	29%
Fuel Options ⁽²⁾	Natural Gas, Diesel, Biodiesel, Aviation	Natural Gas, Diesel, Biodiesel, Aviation
Exhaust Gas Flow	0.31 kg/s (0.69 lbm/s)	0.49 kg/s (1.08 lbm/s)
Turbogenerator		
Dimensions (W x D x H)	57.2 x 72.9 x 83.6 cm (22.5 x 28.7 x 32.9 in)	66.6 x 89.3 x 75.9 cm (26.2 x 35.2 x 29.9 in)
Weight	91 kg (200 lbs)	135 kg (300 lbs)
Microturbine Inverter		
Dimensions (W x D x H)	56 x 15 x 28 cm (22 x 6 x 11 in)	
Weight	23 kg (50 lbs)	

Reliable power when and where you need it. Clean and simple.

C30 and C65 Power and Efficiency



(1) Nominal full power performance at ISO conditions: 59°F, 14.696 psia, 60% RH
 (2) Diesel (ASTM D975-07b Grade Low Sulfur No. 1-D, 2-D); Aviation (ASTM D1655 Jet-A, MIL-DTL-83133E JP-8, MIL-DTL-5624U JP-5)
 Specifications are not warranted and are subject to change without notice.

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