



alpha

alpha

# AlphaGen™ Curbside Generator

- Cost effective extended runtime solution for renewable energy applications
- Quiet operation, small size and low profile allow for easier installation in populated areas
- Eliminates large quantities of batteries otherwise required for extended runtime
- Designed for stand-alone or collocated povernode applications
- Built-in safeguards to protect the system, operators and the public
- Safe unattended operation designed to UL2200, NFPA 37, 54, 58 and 70 standards



For off-the-grid alternative energy systems, a generator can supplement the power you get from the sun if your need increases. For grid-tied systems, a generator can serve as comfort that even in the worst energy situation, you will be able to keep your system up, functioning and full of power. Alpha's generator systems are engineered to have significantly reduced audible noise levels, high power density, remote startup and monitoring and improved fuel compatibility.

## AlphaGen Curbside Generator

Models	CE-3x2	CE-9x2
<b>Physical Specifications</b>		
Dimensions H x W x D (in/mm):	44 x 26 x 24 / 1117.6 x 660.4 x 609.6	52 x 52 x 24 / 1320.8 x 1320.8 x 609.6
Weight (lb/kg):	383 / 174	413 / 187
<b>General Specifications</b>		
Gas Inlet Pressure:	0.5 to 2 PSI Inlet Pressure (Contact Alpha Engineering for additional supply resources)	
Ign Charger Voltage:	13.5Vdc	
Ign Charger Current:	6A max.	
Remote Interface Length:	22.9m / 75ft typical. Distance depends upon installation, derating and wire gauge.	
Agency Compliance:	UL1778, UL2200, NFPA 37/54/58 and 70, CSA C22.2 No.107.1, EMC/FCC Part 15 Class A	
Fuel System, Controls and Monitoring:	The controls and fuel system meet applicable sections of NFPA 37, 54 and 58 for automatic unattended operation of remotely located generators. Full system control and status monitoring included.	
Sensors:	Gas hazard, pad shear, water intrusion and tamper	
Safety Shutdowns:	Low oil pressure, over temp, low fuel pressure shutdown (propane only), water intrusion, pad shear, gas hazard (propane or natural gas), over-speed, over-crank	
Optional Feature:	Cold Start Kit provides additional starting capability at temperatures below -18°C / 0°F	
<b>Output Rating</b>		
DC Output Voltage:	39V ±0.5V @ no load 36V configuration, 52V ±0.5V no load 48V configuration	
DC Output Load Regulation:	0.5V	
Output Current:	39V @ 90A max., 52V @ 67A max.	
Engine:	398CC, air cooled, single OHV	
RPM (Variable Speed):	2800 to 3600RPM	
<b>Acoustical Noise</b>		
dBA 10' @ 100% Rated Load:	68.5	
dBA 20' @ 100% Rated Load:	62.5	
dBA 10' @ 70% Rated Load:	66.9	
dBA 20' @ 70% Rated Load:	60.9	
<b>APU Fuel Consumption</b>		
Natural Gas 1000BTU/Ft. <sup>3</sup> :	80ft <sup>3</sup> /hr	
Propane Gas 2520BTU/Ft. <sup>3</sup> :	1.10gal/hr - 40ft <sup>3</sup> /hr - 4.62lb/hr	
Exterior Surface Temperature:	65°C / 149°F max (meets requirements of UL/CSA)	