



PRODUCT INFORMATION BULLETIN

Date: September 2, 2011
Number: 2929
Division: Genie®
Product Family: Residential Openers
Product Series: IntelliG™ & TriloG™ Openers
To: All Genie Professional Line Wholesalers, Dealers and Installers
Re: Power Inverter Requirement when Power is Not Available at Jobsite

For new construction applications for the IntelliG and TriloG, where electrical power is not available at the jobsite, the powerful 140V DC motor will require a power inverter that meets the following specification:

Pure Sine Wave Inverter Specifications

Wave Form: PURE SINE WAVE
Continuous Power: 1000W
Peak Power Load Rate: 2000W or better
Output Voltage: 115Vac or 120Vac
Power Frequency: 60Hz
Total Harmonic Distortion: <3%.
Input Voltage Range: 10V ~ 15V
Efficiency: >85%
No Load Current Draw: 0.9A
Low Battery Alarm: 10.7V
Low Battery Shut Down: 10V
Short Protect: Yes
Overload Protection: Yes
Thermal Protection: Yes
Cooling Fan Yes
Warranty: 1 year and up

One example of a power inverter that meets the above requirements that is readily available at Lowe's and Home Depot

- **Power Bright Pure Sine Wave Power Inverter model: APS1000-12**
 1. Lowe.com / Item#:329152
 2. HomeDepot.com / Internet/Catalog SKU 202543467
 3. Power Bright - 1-866-295-6775

Alternative power inverters that meet the specifications:

Pure Sine Wave Power Inverter Specifications				
Manufacture	Power Bright	Wagan	Xantrex	Samlex
Model	APS1000-12	Elite 1000W	ProWatt SW 1000	PST-100S-12A
Continuous Power	1000W	1000W	1000W	1000W
Continuous Power-20 Minutes	1050W			
Peak power load rate	2000W	2500W	2000W	2000W<1S
Output Voltage	115VAC±3%	120VAC	104~127Vac	120VAC±3%
Output Freq.	60Hz±3Hz	60Hz	60Hz±0.05Hz	60Hz
Waveform	Pure Sine Wave	True Sine Wave	True Sine Wave	Pure Sine Wave
Total Harmonic Distortion	<3%	<3%		<3%
Input Voltage Range	10~15V	10 ~ 15V	10.5~15.5V	10.7~16.5V
Efficiency	>85%	>85%	90%	85%
No Load Current Draw	0.9A	<0.6A	<0.6A	<0.8A
Low Battery Alarm	10.7V	10.5V±0.3V	10.7V	10.7V
Low Battery Shut Down	10V	9.5V±0.3V	10V	10V
Short Protection	√	√	√	√
Overload Protection	√	√	√	√
Thermal Shut Down	√	√	√	√
Dimension (LxWxH)	16.7"x9.3"x3.3"	14.5"x7.5"x3.5"	13.4"x8.7"x3.5"	15.6"x9.3"x3.3"
Weight	8.8 lbs	9 lbs	7.2 lbs	8.8 lbs
Operating Temperature	<65°C		0~40°C	0~40°C±5°C
Warranty	1 Years	2 Years	2 Years	2 Years
Suppliers	Lows.com / Item #:329152 / HomeDepot.com /w SKU202543467 or call 866-295-6775	http://www.wagan.com/index.php?option=com_content&view=article&id=145&Itemid=114	http://www.xantrex.com/contacts/authorized-service-centers.aspx	http://www.samlexamerica.com/distributors/united_states.htm

An alternative would be a Gas Generator that can deliver Pure Sine Wave Inverter Specifications. One example would be:

Honda EU3000i of 3000W Super Quiet Generator specification, EU3000i Specifications

Engine Honda GX200
 Displacement 196cc
 AC Output 120V 3000W max. (25A); 2800W rated (23.3A)
 Receptacles 20A 125V Duplex, 30A 125V Locking Plug
 DC Output 12V, 144W (12A)
 Starting System Recoil, electric
 Fuel Tank Capacity 3.4 gals.
 Run Time per Tank full 7.2 hrs. @ rated load, 20 hrs. @ 1/4 load
 Dimensions (L x W x H) 25.8" x 18.9" x 22.4"
 Noise Level 58 dB @ rated load 49 dB @ 1/4 load
 Dry Weight 134 lbs.
 Residential Warranty 3 Years
 Commercial Warranty 3 Years

Any Honda Generator 3000W and up can be used for our application.