

# Power

## AlphaGen™ Portable

3.0kW Portable 36/48VDC Generator System for Emergency Backup



- DC technology requires no Automatic Transfer Switch (ATS)
- No need to disconnect or reconnect power supply to utility power
- Selectable output for 36 or 48VDC operation up to 3000W
- Super quiet operation only 58dBA @ 7m/22ft
- Completely enclosed, water resistant for safe operation in the field
- Oversized metal gas tank with level gauge for extended runtimes of up to 20hrs

Alpha expands its generator family to include a portable 3.0kW DC generator. The compact, lightweight AlphaGen generator is designed specifically for powering cable television, telecommunications, and broadband applications that do not have integrated generators as a primary component of the power system.

The portable generator incorporates several technological advantages including: 36 or 48V selectable dual voltage output based on Permanent Magnet Generator (PMG) technology, 3000W of power, and oversized fuel tank for up to 20hrs of runtime at 25% load or 7.2hrs at 100% load.

Additional features include a convenient front panel with a keyed on/off switch, output connector, output indicators, voltmeter, fuel valve and engine choke.

## AlphaGen Portable 3.0kW Series

### Specifications

Part Number: 041-028-10  
 Engine: Honda GX 200 6.5hp, Air-cooled, OHV, Single cylinder, Manual recoil starting, Manual choke  
 Rated Power: 2800W continuous, 3000W max.  
 Alternator: Permanent Magnet, brushless, bearingless

#### Dual range selector

36V: 39.5VDC nominal at generator output connector  
 48V: 52.5VDC nominal at generator output connector

Output Regulation: 1VDC

Control Features: Automatic Voltage Regulation

Electronic Governor

Over current Protection

Analog voltmeter with back light

Anderson type SBE-80 connector

Cable Interface:

Fuel Tank:

3.4 gallon metal tank with level gauge

#### Runtime

@ 25% Load: 20hrs

@ 80% Load: 10hrs

@ 100% Load: 7.2hrs

Audible Noise:

Approx. 58dBA @ 7m under full load

Frame:

Fully Enclosed

Dry Weight:

Less than 118lbs (53.5kg)

Dimensions (in):

22.4H x 18.9W x 25.8D

(mm):

569H x 480W x 655D

Agency:

CSA C22.2 No. 100-95, 107.1-01,

107.2-M89, 0.4

FCC part 15B Class A

### Required Accessories

Output Interface Cable: Available in 10', 30' or 50' lengths

Battery Interface Cable: Choose Ring Lug, Heavy-Duty Alligator Clamp, or Y-adaptor\*

\* Connects the power supply's battery input directly to the generator



30' Output Interface  
 10' P/N 875-324-22  
 50' P/N 875-324-21



Ring Lug Battery Interface  
 P/N 874-946-21



Alligator Clamp Battery Interface  
 P/N 874-946-20



Y-Adaptor Battery  
 P/N 874-946-22

### Optional Accessories

DCX-PG-WK: Portable generator wheel kit (P/N 745-793-20)

DCX-PG-HANDLE: Locking handle (P/N 745-792-20)

AG-PG-TOOL: Punch tool kit for enclosures (P/N 745-131-20)

AG-PG-UK: Enclosure upgrade kit (P/N 745-131-21)

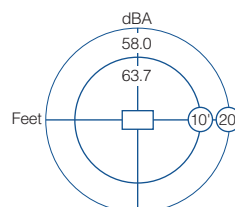
AG-CAB-KIT: Cable bag with cable and key lanyard (P/N 745-764-21-001)

### 3.0kW Portable Generator Sound Levels

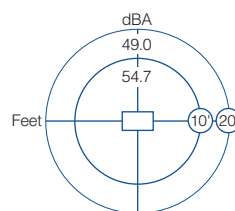
Ambient background noise level at 45dBA

All readings are 8 point averages

Generator at 100% rated load



Generator at 25% rated load (typical)



AlphaGen front view



AlphaGen with optional Wheel Kit and Locking Handle



AlphaGen Portable Trailer

For contact information visit [www.alpha.com](http://www.alpha.com)

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