

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

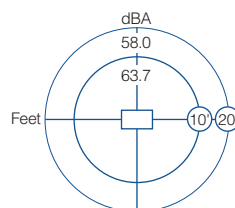
Optional Accessories

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)

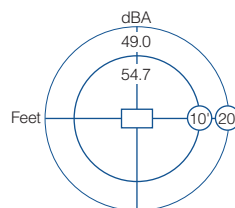
3.0kW Portable Generator Sound Levels

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 more information visit www.alpha.com

Alpha Technologies

United States
 Canada

Bellingham, Washington Tel: 360 647 2360 Fax: 360 671 4936
 Burnaby, British Columbia Tel: 604 430 1476 Fax: 604 430 8908

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