

# AlphaGen™ Portable

## 3.0kW Portable 36/48Vdc Generator System



Your Power Solutions Partner

- Compact portable generator lets you deploy power when/where you need it
- DC technology requires no UATS (Universal Automatic Transfer Switch)
- No need to disconnect or reconnect power supply to utility power
- Selectable output for 36 or 48Vdc operation up to 3000W
- 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.



# Power

## AlphaGen™ Portable 3.0kW Portable 36/48Vdc Generator System

P/N: 013-018-10-010

### PERFORMANCE / FEATURES

**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

**Cable interface:**.....Anderson type SBE-80 connector

**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

### MECHANICAL

**Dimensions:**  
 mm:.....569H x 480W x 655D  
 inches:.....22.4H x 18.9W x 25.8D

**Dry weight:**.....Less than 53.5kg (118lbs)

### AGENCY COMPLIANCE

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 877-567-10-022  
 50' P/N 877-567-10-021



Ring lug battery interface



Alligator clamp battery interface  
 P/N 874-946-20



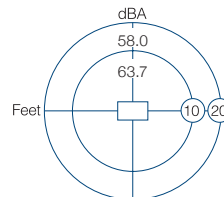
Y-Adaptor battery  
 P/N 874-946-22

### Optional accessories:

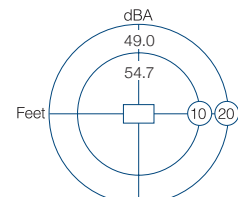
DCX-PG-WK: .....Portable generator wheel kit  
 AG-PG-TOOL:.....Punch tool kit for enclosures  
 AG-PG-UK:.....Enclosure upgrade kit  
 DCX-PG-HANDLE:.....Locking handle  
 AG-CAB-KIT .....Cable bag with cable and key lanyard

### 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 100% rated load (typical)



AlphaGen front view



AlphaGen portable trailer



AlphaGen with wheel kit

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