|  |  |
| --- | --- |
|  **GEN-4813H** (13,600W-48kW-50/60Hz-16yr) **Hybrid** 120V-240V  | **Geneforce Emergency Power System**   |
| **Product Features**   |
| The Power System integrates into the electrical system and seamlessly converts power from battery reserves to power critical loads such as pumps, security systems, refrigerators and electronics, when utility power is unavailable. The Power System is an adaptable single-phase inverter with grid-tie functionality and dual AC power inputs.  |
| The Advanced System Control Panel with Graphical 128 x 64-pixel, backlit LCD display that allows for setup and monitor of entire system including multiple solar charge controllers and auxiliary battery banks. Panel displays power reserves, amp hours consumed, fault conditions, solar panel output, charging, power consumption, etc.  |
| Features include * An integrated web server, enabling graphical displays of system daily, monthly and lifetime energy data to be viewed using a simple web browser or Android™ tablet device.
* Silent operation, No gas or emissions, Automatic start
* Enables owners to remotely monitor a portfolio of sites from any internet connected device like a laptop or a tablet.
* System configures quickly into compact wall-mounted system
 |
| Solar rechargeable system that can be used with a solar panel array to recharge 12V - 48V DC  |
| Dual AC inputs with capability to work with two-wire and three-wire generator starting systems  |
| **Inverter AC output**   | **GEN-4813H (120-240V)**  |
| Continuous Output Power  | 13,600 W  |
| Overload 30 min/60 sec at 25°C  | 17,000 W (overload 30 minutes) / 24,000W (60 sec at 25°C)  |
| Output power (continuous) at 40°C  | 12,000 W  |
| Maximum output current 60 seconds (rms)  | 204 A (120 V); 104 A (240 V)  |
| Output frequency (selectable)  | 50/60 Hz  |
| Output voltage  | L-N: 120 V +/- 3%; L-L: 240  |
| Input DC voltage range  | 42 to 60 V (48 V nominal)  |
| Maximum input DC current  | 150 A  |
| **Charger DC output**   |   |
|  Maximum output charge current  |  140 A  |
|  Output charge voltage range  |  40 – 64 V (48 V nominal)  |
|  Charge control  |  Three stages, two stages, boost, custom  |
|  Charge temperature compensation  |  Battery temperature sensor included  |
|  **AC input & output** |   |
| AC 1 (grid) input current (selectable limit)  | 60A/120-240V (240V default) |
| AC 2 (generator) input current (selectable limit)  | 60A/240V (240V default)  |
| AC 1 output | 2 - 60A/120-240V |
|  AC input voltage requirements |  240V default \*phase between L (1) and L (2) must be 180° to qualify AC |
| Automatic transfer relay rating/typical transfer time  | 60 A/8 ms  |
| AC input voltage limits (bypass/charge mode)  | L-N: 78 - 140 V (120 V nominal) L-L: 160 - 270 V (240 V nominal) |
| AC input frequency range (bypass/charge mode)  | 55 – 65 Hz (default) 52 – 68 Hz (allowable)  |
| **Battery rack specifications**  |   |
| Battery Rack dimensions  | 23” W x 22” D x 84” H, base plate area is 624 in2 or 4.33 ft2  |
| Battery Rack weight  | 2,640 lbs./1,200 kg. |
| Battery service life  | 12-16 Years on Float  |
| Stored battery reserves  | 48,000 W (48kW) |
|  **General Specifications**  |   |
|  Component dimensions (H x W x D) / weight |  Assembled (30” x 48” x 9”) / 354 lb. |
|  IP degree of protection  |  NEMA Type 1 Indoor  |
|  Operating air temperature range  |  -25°C to 70°C (-13°F to 158°F) (power derated above 25°C (77°F))  |
|  Warranty (depending on the country of installation)  |  2 or 5 years  |
| **Features**  |   |
|  Intelligent features  |  Grid sell, peak load shave, generator support, prioritized consumption of battery or  external DC energy  |
| **Regulatory approval**  |   |
| Safety  |  UL1741, CSA 107.1  |
| Interconnect  | IEEE 1547 and CSA 107.  |
| Part Number  | GEN-4813H-120/240V-48KW-16  |
| **Price**   | $31,979  |
| **Geneforce Incorporated** [**www.geneforcepower.com**](http://www.geneforcepower.com/)  **Tel: (305) 215-5443 email: sales@geneforcepower.com**  |