|  |  |
| --- | --- |
| **GEN-1638H** (3800W-19.2kW-60Hz-16yr) **Hybrid** 120V-240V | **Geneforce Emergency Power System** |
| **Product Features** |  |
| Silent operation. Safe for indoors. No gas or emissions. |  |
| No Installation; No Maintenance; No Permits required |  |
| Arrives fully charged and ready to work. |  |
| Automatic & one-touch start. |  |
| System Control Panel with Graphical 128 x 64-pixel, backlit LCD displays power reserves, amp hours consumed, fault conditions, solar panel output, charging, power consumption.  |  |
| Overheat Temperature Sensor & Automatic Shutdown feature. |  |
| Built-in voltage regulation system for sensitive electronics. |  |
| Built-in 30A solar charge controller for solar panel charging. |  |
| **Electrical Specifications**  |  **GEN-1638H (120V-240V)**  |
| Output power (continuous) at 25°C | 3,800 W  |
| Output power (30 min) at 25°C | 4,400 W |
| Output power (5 sec) at 25°C | 7,000 W |
| Peak current | 41 A |
| Output frequency | 50 / 60 Hz selectable |
| Output voltage  | 120 / 240 Vac |
| Output wave form | True sine wave |
| Input DC voltage range | 40 - 68 Vdc |
| AC connections | Single / Split phase  |
| **Charger** |   |
| Output current | 45 A |
| Output voltage range | 48 Vdc |
| Charge control | 2 or 3 stages |
| Charge temperature compensation | Battery temperature sensor included |
| Input current | 9 A |
| Input AC voltage | 120 / 240 Vac split phase |
| Input AC voltage range line to neutral | 95 - 135 Vac single phase; 170 - 270 Vac |
| AC input voltage requirements | 240V default \*phase between L (1) and L (2) must be 180° to qualify AC |
| AC input 1 | One 30A, 250 Volt, NEMA L14-30P, 3P, 4W, locking plug with 8 ft. cord |
| AC output 1 | Four (20A/125V) NEMA 5-20R isolated ground receptacles |
| AC output 2 | One 30A, 125/250 Volt, NEMA L14-30R, 3P, 4W, locking receptacle |
| Dead battery charge | Yes |
| Battery bank reserve power | 19.2 kW (19,200 Watts) |
| Battery service life | 12-16 years on float |
| Solar charge controller | 30A/12V (~360 W per hour/sunlight) \*(60A/12V-24V) optional |
| **General Specifications** |  |
| Transfer relay rating | 30A Transfer time (AC to inverter and inverter to AC) <1 cycle (16.7ms) |
| Optimal operating temperature range | -20°C to 60°C (-4°F to 140°F) |
| Ingress protection rating | Indoor only, IP20 |
| Regulatory approval |  |
| Safety | Components are (CSA) us mark CSA C22.2, No. 107.1-01 UL1741 Ed.2 |
| EMC directive | FCC Part 15 Class B |
| **General Specifications** |   |
| Product Dimensions (H x D x W) and weight | (36" x 24" x 36”) & (1212 Lbs.) 551 kg. |
| Shipping Dimensions (H x W x L) and weight | Standard Pallet 48” x 36” x 48” (1312 lbs.) 596 kg. |
| Construction | Strong Steel, Four Casters, Color-Black or Charcoal |
| Warranty | 5-year warranty on components; up to 4-years on batteries |
| Part Number | GEN-1638H-120240-3800-16 |
| **Price**  | **$12,479**  |
| **Geneforce Incorporated** [**www.geneforcepower.com**](http://www.geneforcepower.com) **Tel: (305) 215-5443 email:** **sales@geneforcepower.com** |