|  |  |  |
| --- | --- | --- |
|  **GENEFORCE EMERGENCY POWER SYSTEM**  |  |          |
|  **GEN-4812 (12.0 kVA CO) 120V/240V 60Hz (57.6 kVA SEE)**  |
| **Product Features**   |
| Silent operation; Safe for indoors; No gas or emissions; No Maintenance or permits required; Automatic & one-touch start; Remote monitoring & configuration.  |
| 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.  |
| 120/240V AC; Adapts to single, split-phase or three-phase systems  |
| Dual AC inputs with capability to work with two-wire and three-wire generator starting systems  |
| May be used with a solar panel array to recharge 12V-24V DC  |
| True sine wave and Built-in voltage regulation system provides clean output for sensitive electronics.  |
| **Electrical Specifications**   |   |
| Output power (continuous) at 40°C  |  12.0 kVA  |
| Output power (surge) at 40°C  |  24.0 kVA (15 sec)  |
| Peak output current (rms)  |  L-N: 105 A (15 sec), L-L: 52.5 A (15 sec)  |
| AC Input Voltage range (240V by Default) (Bypass/Charge Mode)  |  120 / 240 V split-phase  |
|  AC Input Current  |  260 A  |
| AC Input Frequency Range (Bypass/Charge Mode)  |  55 to 65 Hz (default); 44 - 70 Hz (allowable)  |
|  Input voltage limits (bypass/charge mode)  | L-N: 78 to 140 V (120 V nominal); L-L: 160 to 270 V (240 V nominal)  |
| Output wave form (signal type)  |  True Sine Wave  |
|  AC output voltage  |  L-L: 240 V +/- 3% L-N: 120 V +/- 3%  |
|  Service life (No Maintenance) |  12-16 Years |
|  Auxiliary relay output  |  0 to12 V, maximum 250 mA DC  |
| Stored Electrical Energy  |  57.6 kVA (57,600 W) Stored within unit  |
| Continuous Charge Rate at L-L voltage  |  200A  |
| DC Input Voltage Range  |  44-64 Vdc 50.4 Vdc (Nominal)  |
| AC Input 1 (Grid) (240V by Default)(split-phase)  |  240V (6AWG-4 Wire) 60A 2-Pole breaker & box  |
| AC Input 2 (Generator) (240V by Default)  |  240V (6AWG-4 Wire) 60A 2-Pole breaker & box  |
| AC Output 1  |  120V/240V (6AWG-4 Wire) 60A 2-Pole breaker & box  |
| Automatic Transfer Relay  |  120A  |
| Typical transfer time  |  8 ms  |
|  Solar Charge Controller  |  Output (60A/12V-24V) \*(60A/150V)\* (80A/600V) \*Optional  |
| CEC power rating  |  11.520 kW  |
| **General Specifications**  |   |
| NEMA degree of protection  |  NEMA1R (indoor rating)(electronic components sealed inside enclosure)  |
| Ambient air temperature for operation  |  -25 to 70°C (-13 to 158°F) (power derated above 45°C (113°F)  |
| Monitor (two monitors)  |  Graphical 128 x 64 pixel, backlit LCD Display (reads V, Ah, etc.)  |
| Product Dimensions (H x W x L) & Color (Black) |  Power Bank 48" x 24" x 46" Controller “36” x 18” x 36” |
| Product Weight & Construction (Heavy Steel) on casters |  Power Bank 3,030 lbs. Controller 340 lbs. |
| Warranty & Service Life  |  5yr. warranty-components; 4yr. warranty-cells |
| Part numbers  |  GEN-4812-12kVA-60 |
| Regulatory approvals  |   |
| Safety & EMC  |  Components UL1741, CSA 107.1 & FCC and Industry Canada Class B  |
| Interconnect  |  IEEE 1547 and CSA 107.1  |
| **Price** |  **$34,779** |
| Geneforce Incorporated [www.geneforcepower.com](http://www.geneforcepower.com) (305)215-5443 sales@geneforcepower.com  |