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| **GEN-3255H** (5500W-38.4kW-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-3255H (120V-240V)**  |
| Output power (continuous) at 25°C | 5,500 W  |
| Overload 30 min/60 sec at 25°C | 7,000 W / 9,500 W |
| Output power (continuous) at 40°C | 4,500 W |
| Maximum output current 60 seconds (rms) | 82 A (120 V); 41 A (240 V) |
| Output frequency | 50 / 60 Hz selectable |
| Output voltage  | 120 / 240 Vac |
| Output wave form | True sine wave |
| Input DC voltage range | 42 to 60 V (48 V nominal) |
| AC connections | Single / Split phase  |
| **Charger** |   |
| Maximum output charge current | 110 A |
| Output charge voltage range | 40 – 64 V (48 V nominal) |
| Charge control | Three stage, two stage, boost, custom |
| Charge temperature compensation | Battery temperature sensor included |
| AC input frequency range (bypass/charge mode) | 55 – 65 Hz (default) 52 – 68 Hz (allowable) |
| 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 voltage requirements | 240V default \*phase between L (1) and L (2) must be 180° to qualify AC |
| AC input 1 | One 60 Amp, 125/250 Volt, NEMA 14-60P, 3P, 4W, Plug and 8 ft. cord |
| AC output 1 | Four (20A/125V) NEMA 5-20R isolated ground receptacles |
| AC output 2 | One 60 Amp, 125/250 Volt, NEMA 14-60R, 3P, 4W, flush receptacle |
| Grid sell current range on AC1 (selectable limit) | 0 to 40 A (120 V) / 0 to 20 A (240 V) |
| Battery bank reserve power | 38.4 kW (38,400 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** |  |
| Automatic transfer relay rating/typical transfer time | 60 A/8 ms |
| 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 UL1741, CSA 107.1 |
| EMC directive | FCC and Industry Canada Class B |
| **General Specifications** |   |
| Product Dimensions (H x D x W) and weight | (51" x 24" x 46”) & (2363 Lbs.) 1074 kg. |
| Shipping Dimensions (H x W x L) and weight | Custom Pallet 60” x 36” x 60” (2463 lbs.) 1120 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-3255H-120240-5500-16 |
| **Price**  | **$20,479**  |
| **Geneforce Incorporated** [**www.geneforcepower.com**](http://www.geneforcepower.com) **Tel: (305) 215-5443 email:** **sales@geneforcepower.com** |