

GEN-1638H (4400W-18.2kW-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 40A 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		3 stages	
Charge temperature compensation		Battery temperature sensor included	
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		Two (20A/125V) NEMA 5-20R isolated ground receptacles	
Ac output 2		Two (20A/125V) NEMA 5-20R isolated ground receptacles	
AC output 3		One 30A, 125/250 Volt, NEMA L14-30R, 3P, 4W, locking receptacle	
Dead battery charge		Yes	
Battery Bank Reserve Power (Wh)		18.2 kW (18,200 Watt hours)	
Battery Bank Amp Hours (Ah)		1,520 Amp hours	
Battery service life		12-16 years on float	
Solar charge controller		40A/48V (~1,920 W per hour/sunlight)	
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)	
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		(39" x 24" x 36") & (1450 Lbs.) 660 kg.	
Shipping Dimensions (H x W x L) and weight		Standard Pallet 48" x 36" x 48" (1700 lbs.) 773 kg.	
Construction		Strong Steel, Four Casters, Color Dove Grey	
Warranty		2-year warranty on components; up to 5-years on batteries	
Part Number		GEN-1638H-120240-4400-16-SW	
Price		\$13,479	
Geneforce Incorporated www.geneforcepower.com Tel: (786) 823-0700 email: info@geneforcepower.com			