

GPFT – 330 to 660 VA Pulse Width Modulated Sine Wave Inverter

No break – 1 ms transfer time for any load



FEATURES

- Compact 2.4 to 3.5 sqft footprint
- Remote wall mount to 1000'
- Off line 1 ms transfer time
- Overload and short circuit protected
- 20°C - 30°C (68°-86°F) operation
- Less than 3% THD
- Maintenance free lead calcium battery
- Full power to load
- 5 LED system monitoring

BENEFITS

- Fits anywhere
- Locate in utility room
- Low energy usage
- Safe operation
- Pure sine wave power
- Minimal maintenance
- Operates any equipment
- Easy status monitoring

APPLICATIONS

- Any HID, FL or LED load
- Multiple mixed loads
- Electronic equipment
- Security systems
- Hazardous remote loads
- Power before generator operation
- Schools

Specifications/Features

GENERAL

- Provides 90 minutes of AC power to listed VA
- Operates all electronic and non-linear loads
- Provides power within 1 MS
- Transfers back to utility power in phase
- Use with normally on loads

CONSTRUCTION

- NEMA Type 1 steel cabinet
- Blue baked on powder paint coat
- 660 VA unit has 2 cabinets
- Keyhole slot mounting

ELECTRICAL/ELECTRONICS

- 120 or 277 VAC \pm 10% input
- Rated 98% output efficiency at full rated load (line)
- Circuit breaker input protection
- 120 or 277V output
- Digitally controlled sinusoidal output
- 60 HZ output frequency synchronized to utility (\pm 2 HZ)
- Load power factor: 0.5 lead to 0.5 lag
- 150% overload protection for 5 seconds
- Fused output protection

- Use optional HEPC for switched or normally off loads
- Automatic temperature compensating charger
- Battery circuit breaker also isolates batteries
- Low voltage battery disconnect & reverse polarity protection
- Relative humidity: 95% non-condensing
- Standard 90 minute operation

WARRANTY

- 3 years against defects in materials and workmanship
- 1 year full and 9 years pro-rata

LISTINGS

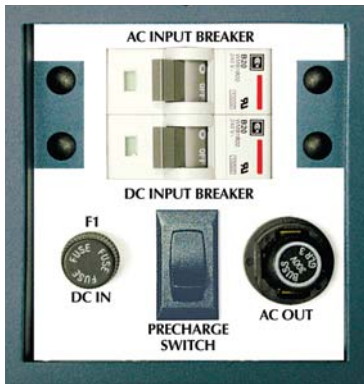
- UL 924
- Meets:
 - NFPA 101 Life safety Code
 - NFPA 70 & 101
 - UBC, OSHA, NEC, SBCCI
 - Local and state codes

ENERGY and OPERATION

- Compared to on-line systems
 - Uses 15-20% less energy
 - Produces minimal heat
 - Uses fans only in charge mode
 - Provides quiet operation

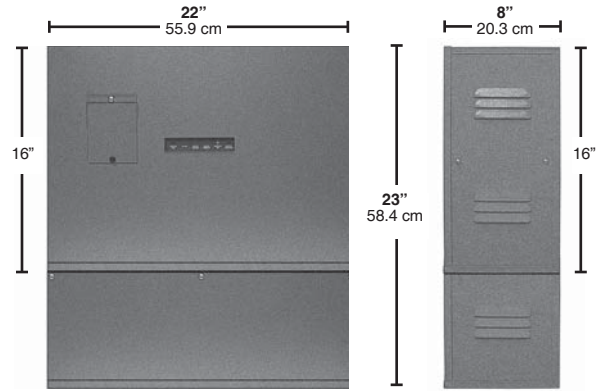


System Access Panel



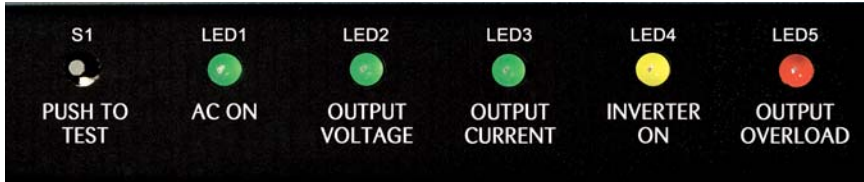
The access panel door in the GPFT unit's front cover allows fast and easy access to all system circuit breakers and fuses as well as the precharge switch necessary for system start-up.

Dimensions



Unit	W	H	D
GPFT 33 & 46	22"	16"	8"
GPFT 66	22"	23"	8"

System Status Monitor Panel



The GPFT system provides a monitoring panel on the front of the unit to show operating status at all times. The panel provides a test switch for user initiated system tests and a 5-LED array that provides an intuitive visual indication of unit readiness.

The LED Operating Status Directory shown at the right is provided on the unit's inside front cover to indicate the system's operational state based upon the on or off status of five monitoring LEDs.

	AC-ON LED1 (Green)	OUTPUT VOLTAGE LED2 (Green)	OUTPUT CURRENT LED3 (Green)	INVERTER ON LED4 (Yellow)	OVERLOAD/ SHUTDOWN LED5 (Red)
ON	AC Input Power Available to Unit	Output Voltage Available	Load Connected and Operating	Inverter Operating (Emergency Mode)	Overload Condition
OFF	No AC Input Power to Unit	Output Voltage Failure	Emergency Load Off	Inverter Off (Standby Mode)	Normal Operation

General Specifications

System Model Number	System Efficiency (Full Load)	Number of Batteries	Battery Voltage (VDC)	Battery Current (Amps)	AC Input Current		Total System Weight	
					120 VAC	277 VAC	Lbs	Kg
					Max.	Max.		
GPFT-33	98%	3	36	9.8	3.1	1.4	113	51.3
GPFT-46	98%	6	72	6.5	5.8	2.6	132	60.0
GPFT-66	98%	6	72	9.6	6.2	2.8	188	85.4

Ordering Guide

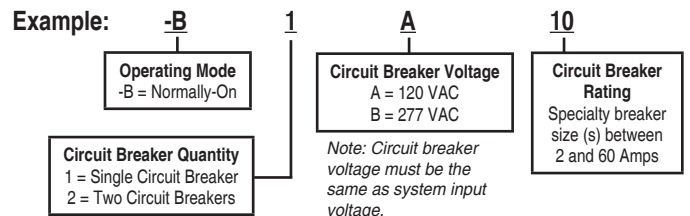
Model No.	Input/Output Volts	Capacity (1 1/2 Hrs.)	DC Voltage
GPFT33-120	120	300W/330VA	36
GPFT33-277	277	300W/330VA	36
GPFT46-120	120	400W/660VA	72
GPFT46-277	277	400W/660VA	72
GPFT66-120	120	600W/660VA	72
GPFT66-277	277	600W/660VA	72

Project Name:

Type	Catalogue Number	Comments

System Options

To order optional output circuit breakers with PFT systems, suffix the system model number with the appropriate breaker designator generated by the ordering guide below.



Add Suffix	Description
-AR	Alternate Run Time (Specify Time in Minutes)