

Main Feature

- ▶ Simulated sine wave inverter
- ▶ Built-in 50A PWM solar controller
- ▶ 10A or 20A standard AC charger
- ▶ AC/solar priority for output via LCD
- ▶ AC/solar priority for charging via LCD
- ▶ Overload & short-circuit protection
- ▶ Deep discharge protection
- ▶ Auto restart while AC/solar is recovering
- ▶ Adjustable solar and utility charging current



Growatt SPF Series

SPF 1200-2400TL HVP-S series off grid solar inverter is designed to power your home appliances, with built-in solar charger. It can convert solar power to battery power and provide continuous power to connected equipments during night time.

Datasheet	Growatt SPF 1200TL HVP-S	Growatt SPF 2400TL HVP-S
Battery Voltage	12 VDC	24 VDC
RATED POWER	1200VA/ 720W	2400VA/ 1440W
INVERTER OUTPUT		
AC Voltage Regulation (Battery Mode)	230VAC \pm 5%	230VAC \pm 5%
Efficiency (Peak)	>80%	>80%
Waveform	Simulated sine wave	Simulated sine wave
PWM SOLAR CHARGER		
Maximum PV Array Power	700W	1200W
PWM Range @ Operating Voltage	15VDC~ 18VDC	30VDC~ 32VDC
Maximum PV Array Open Circuit Voltage	45VDC	55VDC
Maximum Solar Charge Current	50A	50A
Maximum Efficiency	>95%	>95%
Standby Power Consumption	<2 W	<2 W
AC CHARGER		
Charge Current	10A / 20A (Can be set)	10A / 20A (Can be set)
AC BYPASS		
Transfer Time	Typical 15~20ms, 40ms max	Typical 15~20ms, 40ms max
Max Bypass Current	10A	15A
PHYSICAL		
Dimension, D x W x H (mm)	290*235*88mm	290*235*88mm
Net Weight (kgs)	2.6	2.8
OPERATING ENVIRONMENT		
Operating Temperature	0°C ~ 50°C	0°C ~ 50°C
Audible Noise	50db MAX	50db MAX