

# Growatt SPF 8000T~12000T HVM

- Built-in MPPT solar charge controller
- WIFI/GPRS remote monitoring
- Built-in pure copper low frequency transformer
- Smart function and parameter setting via LCD button



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Datasheet	SPF 8000T HVM	SPF 10000T HVM	SPF 12000T HVM
Battery voltage	48VDC	48VDC	48VDC

#### INVERTER OUTPUT

Rated Power	8KW	10KW	12KW
Surge Rating (20ms)	24KW	30KW	36KW
Capable of Starting Electric Motor	4HP	5HP	6HP
Waveform	Pure sine wave/ same as input (bypass mode)	Pure sine wave/ same as input (bypass mode)	Pure sine wave/ same as input (bypass mode)
Nominal Output Voltage RMS	220V/230V/240VAC(+/-10% RMS)	220V/230V/240VAC(+/-10% RMS)	220V/230V/240VAC(+/-10% RMS)
Output Frequency	50Hz/60Hz +/-0.3 Hz	50Hz/60Hz +/-0.3 Hz	50Hz/60Hz +/-0.3 Hz
Inverter Efficiency(Peak)	>88%	>88%	>88%
Transfer Time	10ms(max)	10ms(max)	10ms(max)

#### SOLAR CHARGER

Maximum PV Charge Current	80A	80A	80A
Maximum PV Array Power	5000W	5000W	5000W
MPPT Range @ Operating Voltage(VDC)	60~145VDC	60~145VDC	60~145VDC
Maximum PV Array Open Circuit Voltage	150VDC	150VDC	150VDC
Maximum Efficiency	>98%	>98%	>98%
Standby Power Consumption	<2W	<2W	<2W

#### AC INPUT

Voltage	230VAC	230VAC	230VAC
Selectable Voltage Range	184~272VAC(UPS);154~272VAC(APL)	184~272VAC(UPS);154~272VAC(APL)	184~272VAC(UPS);154~272VAC(APL)
Frequency Range	50Hz/60Hz (Auto sensing)	50Hz/60Hz (Auto sensing)	50Hz/60Hz (Auto sensing)

#### AC CHARGER

Max. Charging Current	70A	80A	100A
Overcharge Protection S.D.	62V	62V	62V

#### MECHANICAL SPECIFICATIONS

Dimensions (W*H*D)	650*460*255mm	650*460*255mm	650*460*255mm
Net Weight (Solar CHG) kg	70	76	76

#### OPERATING ENVIRONMENT

Operation Temperature Range	0°C to 40°C	0°C to 40°C	0°C to 40°C
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