

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



P O W E R
- I N G
T O M O R R O W
R R O W

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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	120A	120A	120A
Number of independent MPP trackers/ strings per MPP tracker	2/1	2/1	2/1
Maximum PV Array Power	7000W	7000W	7000W
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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