Growatt SPF 2000~5000TL HVM

- Integrated MPPT charge controller
- Configurable grid or solar input priority
- Optional WIFI/ GPRS remote monitoring
- Parallel for scalability



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Datasheet	SPF 2000TL HVM	SPF 3000TL HVM-24	SPF 3000TL HVM-48	SPF 4000TL HVM	SPF 5000TL HVM
Battery voltage	24VDC	24VDC	48VDC	48VDC	48VDC
INVERTER OUTPUT					
RATED POWER	2000VA/ 2000W	3000VA/ 3000W	3000VA/ 3000W	4000VA/ 4000W	5000VA/ 5000W
Parallel Capability	No	No	No	Yes, 6 units	Yes, 6 units
AC Voltage Regulation (Battery Mode)	230VAC ± 5% @ 50/60Hz	230VAC ± 5% @ 50/60Hz	230VAC ± 5% @ 50/60Hz	230VAC ± 5% @ 50/60Hz	230VAC ± 5% @ 50/60Hz
Surge Power	4000VA	6000VA	6000VA	8000VA	10000VA
Efficiency (Peak)	93%	93%	93%	93%	93%
Waveform	Pure sine wave	Pure sine wave	Pure sine wave	Pure sine wave	Pure sine wave
Transfer Time	10 ms (For Personal Computers); 20 ms (For Home Appliances)				
SOLAR CHARGER					
Maximum PV Array Power	1500W	1500W	1800W	4500W	4500W
MPPT Range @ Operating Voltage	30VDC ~ 80VDC	30VDC ~ 80VDC	60VDC ~ 115VDC	60VDC ~115VDC	60VDC ~115VDC
Maximum PV Array Open Circuit Voltage	102VDC	102VDC	145VDC	145VDC	145VDC
Maximum Solar Charge Current	50A	50A	30A	80A	80A
Maximum Efficiency	98%	98%	98%	98%	98%
Standby Power Consumption	2 W	2 W	2 W	2 W	2 W
AC CHARGER					
Maximum AC Charge Current	30A	30A	15A	60A	60A
AC Input Voltage	230 VAC	230 VAC	230 VAC	230 VAC	230 VAC
Selectable Voltage Range	170-280 VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances)				
Frequency Range	50Hz/60Hz (Auto sensing)	50Hz/60Hz (Auto sensing)	50Hz/60Hz (Auto sensing)	50Hz/60Hz (Auto sensing)	50Hz/60Hz (Auto sensing)
PHYSICAL					
Dimension (D/W/H) in mm	130/315/400	130/315/400	130/315/400	130/350/455	130/350/455
Net Weight (kgs)	8	8.5	8.5	11	11.5
OPERATING ENVIRONMENT					
Humidity	5% to 95% Relative Humidity(Non-condensing)	5% to 95% Relative Humidity(Non-condensing)	5% to 95% Relative Humidity(Non-condensing)	5% to 95% Relative Humidity(Non-condensing)	5% to 95% Relative Humidity(Non-condensing)
Operating Temperature	0°C - 55°C	0°C - 55°C	0°C - 55°C	0°C - 55°C	0°C - 55°C
Storage Temperature	-15°C - 60°C	-15°C - 60°C	-15°C - 60°C	-15°C - 60°C	-15°C - 60°C

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