

Growatt SPF 3000TL LVM

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



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P O W E R
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T O M O R R O W

Datasheet	SPF 3000TL LVM-24P	SPF 3000TL LVM-48P
Battery voltage	24VDC	48VDC
Battery type	Lead-acid	Lithium/Lead-acid
INVERTER OUTPUT		
RATED POWER	3000VA/ 3000W	3000VA/ 3000W
Parallel Capability	Yes, 6 units maximum	Yes, 6 units maximum
AC Voltage Regulation (Battery Mode)	120VAC $\pm$ 5% @ 50/60Hz	120VAC $\pm$ 5% @ 50/60Hz
Surge Power	6000VA	6000VA
Efficiency (Peak)	93%	93%
Waveform	Pure sine wave	Pure sine wave
Transfer Time	10 ms (For Personal Computers); 20 ms (For Home Appliances)	10 ms (For Personal Computers); 20 ms (For Home Appliances)
SOLAR CHARGER		
Maximum PV Array Power	2000W	4500W
MPPT Range @ Operating Voltage	30VDC ~ 115VDC	60VDC ~ 115VDC
Maximum PV Array Open Circuit Voltage	145VDC	145VDC
Maximum Solar Charge Current	80A	80A
Maximum Efficiency	97%	97%
Standby Power Consumption	2 W	2 W
AC CHARGER		
Charge Current	60A	40A
AC Input Voltage	120 VAC	120 VAC
Selectable Voltage Range	95~140 VAC (For Personal Computers) ; 65~140 VAC (For Home Appliances)	95~140 VAC (For Personal Computers) ; 65~140 VAC (For Home Appliances)
Frequency Range	50Hz/60Hz (Auto sensing)	50Hz/60Hz (Auto sensing)
PHYSICAL		
Dimension (W/H/D)	350/455/130mm	350/455/130mm
Net Weight	11kg	11kg
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity(Non-condensing)	5% to 95% Relative Humidity(Non-condensing)
Operating Temperature	0°C ~ 55°C	0°C ~ 55°C
Storage Temperature	-15°C ~ 60°C	-15°C ~ 60°C