

# Growatt SPF 4000T~12000T DVM

- Low frequency inverter 120/240Vac Split Phase output
- Integrated MPPT charge controller
- Optional WIFI/ GPRS remote monitoring
- Built-in pure copper low frequency transformer
- Configurable grid or solar input priority



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Datasheet	SPF 4000T DVM	SPF 5000T DVM	SPF 6000T DVM	SPF 8000T DVM	SPF 10000T DVM	SPF 12000T DVM	SPF 18000T DVM
Battery Voltage				48VDC			
Battery Type				Lithium/Lead-acid			
INVERTER OUTPUT							
Rated Power	4KW	5KW	6KW	8KW	10KW	12KW	18KW
Surge Rating	12KW	15KW	18KW	24KW	30KW	36KW	54KW
Waveform			Pure sine wave/ same as input (bypass mode)				
Nominal Output Voltage RMS			104-110-115-120/208-220-230-240VAC(optional)				
Output Frequency			50Hz/60Hz +/-0.3 Hz				
Inverter Efficiency(Peak)			>85%				
Transfer Time			10ms(max)				
SOLAR CHARGER							
Maximum PV Charge Current		80A		120A		240A	
Maximum PV Array Power		5000W		7000W		1400W	
Number of independent MPP trackers/ strings per MPP tracker		1/1		2/1			
MPP Range @ Operating Voltage(VDC)		60~145VDC		60~145VDC			
Maximum PV Array Open Circuit Voltage		150VDC		150VDC			
Maximum Efficiency		>98%		>98%		>97.5%	
AC INPUT							
Voltage			240VAC				
Selectable Voltage Range			184~272VAC(UPS);154~272VAC(APL)				
Frequency Range			50Hz/60Hz (Auto sensing)				
Max. Charging Current	40A	50A	60A	70A	80A	100A	100A
MECHANICAL SPECIFICATIONS							
Protection Degree			IP20				
Dimensions (W/H/D)	360/540/218mm	360/540/218mm	360/540/218mm	380/650/225mm	380/650/225mm	380/650/225mm	420/780/250mm
Weight	42kg	47kg	52kg	64kg	66kg	75kg	105kg
OPERATING ENVIRONMENT							
Operation Temperature Range			0°C to 45°C				