

Growatt SPA1000~3000TL BL

- Supports retrofit & new system
- Compatible with single/three phase grid
- Multiple workmodes configurable
- VPP interface ready for energy trading
- Remote smart O&M
- IP65 & Natural cooling



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

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Datasheet	SPA1000TL BL	SPA2000TL BL	SPA3000TL BL
Output data(AC)			
AC nominal power	1000W	2000W	3000W
Max. AC apparent power	1000VA	2000VA	3000VA
Nominal AC voltage (range*)	230V (180V-270V)		
AC grid frequency (range*)	50Hz/60Hz (45Hz-55Hz/55Hz-65Hz)		
Max. output current	6A	10A	16A
Adjustable power factor	0.8leading...0.8lagging		
THDi	<3%		
AC grid connection type	Single phase		
Battery data (DC)			
Battery voltage range	42~59V		
Max charging and discharging current	24A	44A	66A
Continuous charging and discharging power	1000W	2000W	3000W
Type of battery	Lithium /Lead-acid		
Backup power(AC)			
Max. AC output power	1000W	2000W	3000W
Max. AC apparent power	1000VA	2000VA	3000VA
Max. output current	6A	10A	16A
Nominal AC output voltage	230Vac		
Nominal AC output frequency	50/60HZ		
THDv	<3%		
Switch time	0.5S		
Protection devices			
AC surge protection	Yes		
Battery reverse protection	Yes		
AC short-circuit protection	Yes		
Ground fault monitoring	Yes		
Grid monitoring	Yes		
Anti-islanding protection	Yes		
Residual-current monitoring unit	Yes		
Insulation resistance monitoring	Yes		
General data			
Dimensions (W / H / D)	428/458/180mm		
Weight	17kg		
Operating temperature range	-25°C ... +60°C		
Nighttime power consumption	<4W		
Topology(solar)	Transformerless		
Topology(battery)	HF transformer		
Cooling	Natural		
Protection degree	IP65		
Relative humidity	0~100%		
Altitude	2000m		
AC connection	Connector		
Display	LCD+LED		
Interfaces: RS232/RS485/CAN/USB	Yes		
Monitor : RF/WIFI/GPRS	Optional		
Warranty: 5 years / 10 years	Yes/Optional		
CE, IEC62109, G98, VDE0126-1-1, VDE-AR-N4105, CEI 0-21, IEC62116&IEC61727, EN50438, EN50549, AS4777, AS/NZS 3100, C10/11			