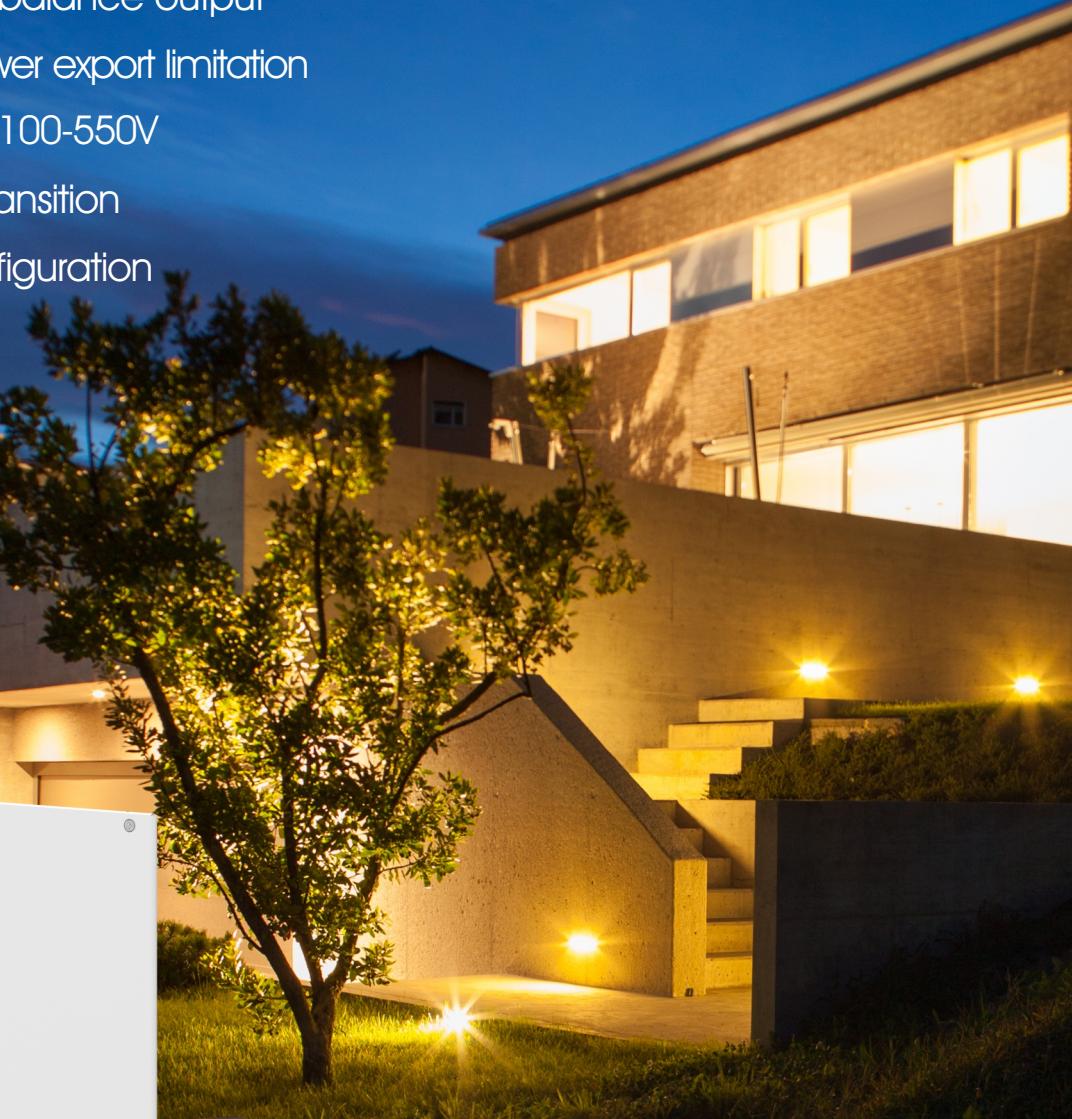


# SPA 4000~10000TL3 BH-UP

- 100% three-phase imbalance output
- Smart phase-level power export limitation
- Wide battery voltage 100-550V
- UPS function, 10ms transition
- Scalable system configuration



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

**GROWATT**

Datasheet	SPA 4000TL3 BH-UP	SPA 5000TL3 BH-UP	SPA 6000TL3 BH-UP	SPA 7000TL3 BH-UP	SPA 8000TL3 BH-UP	SPA 10000TL3 BH-UP
<b>Output/Input data(AC)</b>						
AC nominal power	4000W	5000W	6000W	7000W	8000W	10000W
Max. AC apparent power	4000VA	5000VA	6000VA	7000VA	8000VA	10000VA
Nominal AC voltage (range*)			230V/400V (310~476V)			
AC grid frequency (range)			50Hz/60Hz (45Hz-55Hz/55Hz-65Hz)			
Max. output current	6.1A	7.6A	9.1A	10.6A	12.1A	15.2A
Adjustable power factor			0.8leading...0.8lagging			
THDI			<3%			
AC grid connection type			3W+N+PE			
<b>Battery data (DC)</b>						
Battery voltage range			100~550V			
Max charging and discharging current			25A			
Continuous charging and discharging power	4000W	5000W	6000W	7000W	8000W	10000W
Type of battery				lithium/lead-acid		
<b>Backup power(AC)</b>						
AC power	4000W	5000W	6000W	7000W	8000W	10000W
Max. AC apparent power	4000VA	5000VA	6000VA	7000VA	8000VA	10000VA
Max. output current	6.1A	7.6A	9.1A	10.6A	12.1A	15.2A
Nominal AC voltage			230V/400V			
Nominal AC frequency			50/60HZ			
THDv			<3%			
Switch time			<10ms			
<b>Efficiency</b>						
MAX. efficiency	97.6%	97.8%	98.0%	98.2%	98.2%	98.2%
European efficiency	97.0%	97.2%	97.3%	97.4%	97.4%	97.5%
<b>Protection devices</b>						
AC surge protection			Type II			
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			
<b>General data</b>						
Dimensions (W / H / D)			505/453/198mm			
Weight			30kg			
Operating temperature range			-25 °C ... +60 °C			
Nighttime power consumption			<13W			
Topology			Transformerless			
Cooling			Natural			
Protection degree			IP65			
Relative humidity			0~100%			
Altitude			3000m			
AC connection			Connector			
Display			LCD+LED			
Interfaces: RS485/CAN/USB			Yes			
Monitor : RF/WIFI/GPRS			Optional			
Warranty: 5 years / 10 years			Yes / Optional			

CE, IEC62109, IEC 62040, VDE-AR-N 4105, VDE 0126, VFR 2019, C10/C11 , EN50549, CEI 0-21, CEI 0-16, IEC62116, IEC61727, AS/NZS 4777 , G98, TOR Erzeuger

\* The AC Voltage Range may vary depending on specific country grid standard.