

SPH 10000TL-HU

- UPS function, 10ms transition
- 1.5 DC/AC Ratio with 3 MPPTs
- Support Smart Load Function
- Up to 200A charging/discharging current
- Support DC-coupled, AC-coupled, AC-retrofit applications
- Type II Surge protection for DC and AC sides
- Support charge from generator
- Support form a 400V three-phase system
- Support up to 6 units in parallel



GROWATT

en.growatt.com

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

Datasheet		SPH 10000TL-HU	
Input data (DC)			
Max. recommended PV power (for module STC)		15000W	
Max. input power for single MPPT		10000W	
Max. DC voltage		525V	
Start voltage		150V	
MPP voltage range		150V~450V/370V	
No. of MPP trackers		3	
No. of PV strings per MPP tracker		2	
Max. input current per MPP tracker		22A	
Max. short-circuit current per MPP tracker		28A	
AC input data (AC)			
Nominal AC input power		10000W	
Nominal input voltage		230V	
Nominal input current		43.5A	
Max. grid passthrough current		62.5A	
Max. generator input power		10000W	
Output data (AC)			
AC nominal power		10000W	
Max. AC apparent power		10000VA	
Nominal AC voltage (range*)		220V/230V/240V	
AC grid frequency (range*)		50Hz/60Hz	
Max. output current		50A	
Adjustable power factor		0.8leading...0.8lagging	
THDi		<3%	
AC grid connection type		Single phase	
Battery data (DC)			
Battery voltage range		40~60V	
Max charging and discharging current		200A	
Continuous charging and discharging power		10000W	
Type of battery		Lithium /Lead-acid	
Backup power (AC)			
AC nominal output power		10000W	
Nominal AC output voltage		220V/230V/240V	
Nominal AC output frequency		50/60Hz	
Switch time		<10ms	
Efficiency			
Peak. efficiency		97.50%	
CEC weighted efficiency		96.7%	
MPPT efficiency		≥99.5%	
Protection devices			
PV switch		Yes	
AC over current protection		Yes	
AC over voltage protection		Yes	
Ground fault monitoring		Yes	
Grid monitoring		Yes	
Anti-islanding protection		Yes	
Residual-current monitoring unit		Yes	
Insulation resistance monitoring		Yes	
AFCI protection		Yes	
Surge protection		DC Type II / AC Type II	
General data			
Max stackable number		6	
Dimensions (W / H / D)		440/883/254mm	
Weight		48.84kg	
Operating temperature range		-25°C ... +60°C (with derating above 45°C)	
Noise emission (typical)		≤ 30 dB(A)	
Self-Consumption		< 60 W	
Topology		Tranformerless	
Cooling		Smart cooling	
Protection degree		IP65	
Relative humidity		0~100%	
Altitude		2000m	
DC connection		Quick Connector	
Display		LCD	
Interfaces: RS485/CAN/USB		Yes	
Communication		WIFI/4G cellular (Opt)	
Warranty (5/10 years)		Yes/Opt	
CE, UKCA, G99, NRS097			

* SHENZHEN GROWATT NEW ENERGY CO.,LTD All rights reserved. Subject to change without notice.