

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
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)		≤ 60 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
Warranty (5/10 years)		Yes/Opt
CE-RED, CE-EMC, CE-LVD, IEC 61683, RoHS, NRS097, IEC 60068, IEC 62116, IEC 61727		

CE-RED, CE-EMC, CE-LVD, IEC 61683, RoHS, NRS097, IEC 60068, IEC 62116, IEC 61727

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