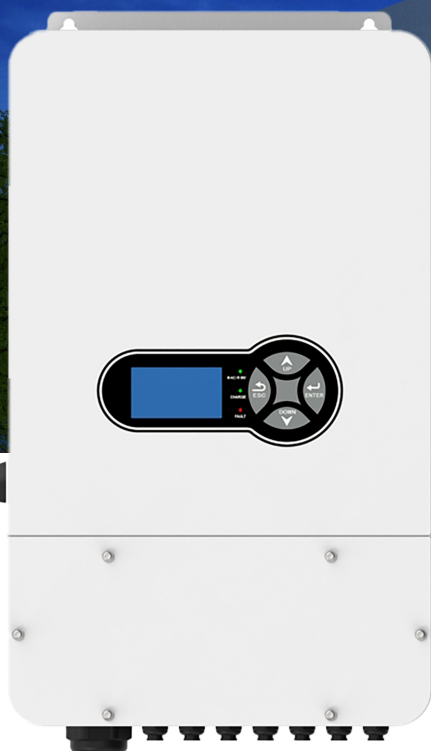


SPH 10000TL-X

- Max. 6 units in parallel in both on/off-grid modes
- UPS function, 10ms transition
- 1.5 DC/AC Ratio with 3 Mppts
- 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 diesel generator
- Support both single phase and split phase application



GROWATT

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

www.ginverter.com

Datasheet		SPH 10000TL-X
Input data (DC)		
Max. recommended PV power (for module STC)		15000W
Max. DC voltage		525V
Start voltage		150V
MPP voltage range		150V-425V/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		27A
Output data(AC)		
AC nominal power		10000W
Max. AC apparent power		10000VA
Nominal AC voltage (range*)		230V, 120V/240V Split (180Vac - 280Vac)
AC grid frequency (range*)		50Hz/60Hz
Max. output current		50A
Adjustable power factor		1.0leading...1.0lagging
THDI		<3%
AC grid connection type		Single /Split 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		230V, 120V/240V Split
Nominal AC output frequency		50/60Hz
Switch time		<10ms
Efficiency		
peak efficiency		97.50%
CEC weighted efficiency		97%
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		
Dimensions (W / H / D)		440×720×240mm/17.32×28.34×9.44 inches
Weight		34kg/74.8lbs
Operating temperature range		-25°C ... +60°C (-13...+140°F) with derating above 45°C /113°F
Noise emission (typical)		≤ 30 dB(A)
Self-Consumption <		< 60 W
Topology		Transformerless
Cooling		Smart cooling
Protection degree		Ip65/NEMA 4
Relative humidity		0~100%
Altitude		2000m
DC connection		Quick Connector
Display		LCD
Interfaces: RS485/CAN/USB		yes
Communication		WiFi/4G cellular (Opt)
Warranty:		5 Years
IEEE1547, CA RULE21, RULE14(HECO Compliant), UL1741, UL1741SA/SB, CSA C22.2, PREPA, UL1699B, UL1741 CRD, IEC62109-1, IEC62109-2,FCC Part15 Class B, Sunspec		

* 2022 SHENZHEN GROWATT NEW ENERGY CO.,LTD All rights reserved. Subject to change without notice.