SPH 10000TL-HU-US

- 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 up to 6 units in parallel
- Support form a 220V or 208V three-phase system

POWERING TOMORROW

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Datasheet	SPH 10000TL-HU-US
Input data (DC)	
Max. recommended PV power (for module STC)	15000W
Max. input power for single MPPT	10000W
Max. DC voltage	525V
Startup 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	27A
AC input data (AC)	
Nominal AC input power	10000W
Nominal input voltage	240V
Nominal input current	41.67A
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	L1/L2/N/PE
Battery data (DC)	
Battery voltage range	40~60V
Max charging and discharging current	200A
Continuous charging and discharging power	10000W
Communication protocol	CAN/RS485
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
Overload capability	13000W for 5 s
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)	440/855/256mm (17.32/28.34/9.44) inches
Weight	48.84kg/107.8lbs
Operating temperature range	−25℃ ... +60℃ (-13...+140℉) with derating above 45℃ /113℉
Noise emission (typical)	≤ 30 dB(A)
Max. grid passthrough current	62.5A
Max. generator input power	10000W
Max stackable number	6
RSD transmitter	Tigo/APsmart
Self-consumption	< 60 W
Topology	Tranformerless
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	10 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	

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