

SPM 8000~10000TL-HU

- UPS function, 10ms transition
- 2.0 DC/AC Ratio with 3 Mppts
- DC-coupled and AC-coupled applications
- Type II Surge protection for DC and AC sides
- Support charge from diesel generator
- Support for a 400V three-phase system
- Support up to 6 units in parallel



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

Datasheet	SPM 8000TL-HU	SPM 10000TL-HU
Input data (DC)		
Max. PV Input Power (W)	16000W	20000W
Max. input power for single MPPT	8000W+8000W+8000W	8000W+8000W+15000W
Max. DC voltage	600V	600V
Start voltage	120V	120V
MPP voltage range	150-500V/370V	150-550V/370V
No. of MPP trackers	3	3
No. of PV strings per MPP tracker	1	2
Max. input current per MPP tracker	16A	16A+16A+32A
Max. short-circuit current per MPP tracker	22A	22A+22A+40A
AC input data (AC)		
Nominal AC input power	8000W	9999W
Nominal input voltage	230V	230V
Nominal input current	34.8A	43.4A
Max. grid passthrough power	12000W	15000W
Max. generator input power	8000W	9999W
Output data (AC)		
AC nominal power	8000W	9999W
Max. AC apparent power	8000VA	9999VA
Nominal AC voltage (range*)	230V	230V
AC grid frequency (range*)	50Hz	50Hz
Max. output current	40A	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	165A	200A
Continuous charging and discharging power	8000W	9999W
Communication protocol		CAN/RS485
Type of battery		Lithium battery/Lead-acid battery
Backup power (AC)		
AC nominal output power	8000W	9999W
Nominal AC output voltage		230V single phase
Nominal AC output frequency		50Hz
Switch time		<10ms
Overload capability		150% Full Load@5S
Efficiency		
Peak. efficiency		97.50%
Europe efficiency		96.50%
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		Yes
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		Transformerless
Cooling		Smart cooling
Protection degree		IP65
Relative humidity		0~100%
Altitude		2000m
Display		LCD touch screen
Interfaces: RS485/CAN/USB		Yes
Communication		WIFI/LAN
Warranty		10 years

CE, G99, G100, AS 477.2:2020, AS 609473, CSIP-AUS

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