

SPM 8000~10000TL-HU2

- UPS function, 10ms transition
- 1.6 DC/AC ratio with 2 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
T O M O R R O W

Datasheet	SPM 8000TL-HU2		SPM 10000TL-HU2	
Input data (DC)				
Max. PV Input Power (W)	12800W		16000W	
Max. DC voltage			550V	
Start voltage			80V	
MPP voltage range			80-525V	
No. of MPP trackers			2	
No. of PV strings per MPP tracker			2	
Max. input current per MPP tracker			32A	
Max. short-circuit current per MPP tracker			48A	
AC input data (AC)				
Nominal AC input power	8000W		10000W	
Nominal input voltage			230V	
Nominal input current	34.8A		43.4A	
Max. grid passthrough power			11000W	
Max. generator input power	11000W		11000W	
Output data (AC)				
AC nominal power	8000W		10000W	
Max. AC apparent power	8000VA		10000VA	
Nominal AC voltage (range*)			230V	
AC grid frequency (range*)			50Hz	
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	170A		210A	
Continuous charging and discharging power	8000W		10000W	
Communication protocol			CAN/RS485	
Type of battery			Lithium battery/Lead-acid battery	
Backup power (AC)				
AC nominal output power	8000W		10000W	
Nominal AC output voltage			230V single phase	
Nominal AC output frequency			50Hz	
Switch time			<10ms	
Overload capability			200% Full Load@10S	
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			Optional	
Surge protection			Yes	
General data				
Max stackable number			6	
Dimensions (W / H / D)			363*653*229mm	
Weight			Gross Weight: 30kg, Net Weight: 26.5kg	
Operating temperature range			-25°C ... +60°C with derating above 45°C	
Noise emission (typical)			≤ 50 dB(A)	
Topology			Transformerless	
Cooling			Smart Fan Cooling	
Protection degree			Ip66	
Relative humidity			0~100%	
Altitude			2000m	
Display			LCD touch screen	
Interfaces: RS485/CAN/USB			Yes	
Communication			WIFI	
Warranty			5 years	
CE, IEC 62116, IEC 61683, IEC 61727, IEC 60068, NRS097, EN61000, EN50549				

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