

SPM 3000~6000TL-HU

- UPS function, 10ms transition
- 1.5 DC/AC ratio with 2 MPPTs
- Up to 140A 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 400V three-phase system



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

Datasheet	SPM 3000TL-HU	SPM 3600TL-HU	SPM 4000TL-HU	SPM 4600TL-HU	SPM 5000TL-HU	SPM 5500TL-HU	SPM 6000TL-HU
Input data (DC)							
Max. recommended PV power (for module STC)	4500W	5400W	6000W	6900W	7500W	8250W	9000W
Max. input power for single MPPT				4500W			
Max. DC voltage				600V			
Start voltage				130V			
MPPT voltage range				150V-550V			
No. of MPP trackers				2			
No. of PV strings per MPP tracker				1			
Max. input current per MPP tracker				22A			
Max. short-circuit current per MPP tracker				27.5A			
AC input data (AC)							
Nominal AC input power	3000W	3600W	4000W	4600W	5000W	5500W	6000W
Nominal input voltage				220V/230V/240V			
Nominal input current	13.1A	15.7A	17.4A	20A	21.8A	24A	26.1A
Max. grid passthrough current	16.6A	20A	22.2A	25.5A	27.7A	30.5A	33.3A
Max. generator input power				9200W			
Output data (AC)							
AC nominal power	3000W	3600W	4000W	4600W	5000W	5500W	6000W
Max. AC apparent power	3000VA	3600VA	4000VA	4600VA	5000VA	5500VA	6000VA
Nominal AC voltage (range*)				220V/230V/240V			
AC grid frequency (range*)				50Hz/60Hz			
Max. output current	13.1A	15.7A	17.4A	20A	21.8A	24A	26.1A
Adjustable power factor				0.8leading...0.8lagging			
THDi				<3%			
Battery data (DC)							
Battery voltage range				40~60V			
Max charging and discharging current	70A	90A	100A	110A	120A	130A	140A
Continuous charging and discharging power	3000W	3600W	4000W	4600W	5000W	5500W	6000W
Type of battery				Lithium battery/Lead-acid battery			
Backup power (AC)							
AC nominal output power	3000W	3600W	4000W	4600W	5000W	5500W	6000W
Nominal AC output voltage				230V single phase			
Nominal AC output frequency				50/60Hz			
Switch time				<10ms			
Overload capability				200% Full Load@5S			
Efficiency							
Peak efficiency				98.10%			
Europe efficiency				97.60%			
MPPT efficiency				99.00%			
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)				330/580/232mm			
Weight				26kg			
Operating temperature range				-25~60°C, >45°C Derating			
Noise emission (typical)				≤ 30 dB(A)			
Self-Consumption				< 60 W			
Topology				Transformerless			
Cooling				Natural			
Protection degree				IP65			
Relative humidity				0~100%			
Altitude				< 2000m			
Display				LCD touch screen			
Interfaces: RS485/CAN/USB				Yes			
Communication				WiFi/LAN			
Warranty				5 years			

EN50549, CE-EMC, CE-LVD, IEC62116, IEC61727

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