

SPM 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



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Datasheet

SPM 6000TL-HU

Input data (DC)

Max. recommended PV power (for module STC)	9000W
Max. input power for single MPPT	4500W
Max. DC voltage	600V
Start voltage	150V
MPP 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	28A

AC input data (AC)

Nominal AC input power	6000W
Nominal input voltage	230V
Nominal input current	26.08A
Max. grid passthrough current	40A
Max. generator input power	9200W

Output data (AC)

AC nominal power	6000W
Max. AC apparent power	6000VA
Nominal AC voltage (range*)	220V/230V/240V
AC grid frequency (range*)	50Hz/60Hz
Max. output current	26.1A
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	140A
Continuous charging and discharging power	6000W
Type of battery	Lithium battery/Lead-acid battery

Backup power (AC)

AC nominal output power	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	97.50%
Europe efficiency	96.50%
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
AFCI protection	Yes
Surge protection	DC Type II / AC Type II

General data

Max stackable number	6
Dimensions (W / H / D)	330/580/232mm
Weight	25kg
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/4G cellular (Opt)
Warranty	5 years

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SHENZHEN GROWATT NEW ENERGY CO.,LTD.
T: + 86 755 2747 1900 F: + 86 755 2749 1460

A: 4-13/F, Building A, Sino-German(Europe) Industrial Park, Hangcheng Ave, Bao'an District, Shenzhen, China
E: info@ginverter.com