

Solavita

SW 320KTL-T1

Three-Phase On-Grid Inverter



MODEL

SW320KTL-T1



IP66 & C5 protection for harsh environments



Smart I-V scanning for precise location of faulty PV strings



High current input, adaptable to 210/182 modules

Model	SW320KTL-T1
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DC Input	
Max. Input Voltage [V]	1500
MPPT Voltage Range [V]	500-1500
Rated Input Voltage [V]	1160
Start-up Voltage [V]	550
No. of MPPT Trackers	8
No. of PV Strings per MPPT	4
Max. Input Current per MPPT [A]	60
Max. Short Circuit Current per MPPT [A]	100

AC Output	
Rated Output Power [W]	320000
Max. Output Apparent Power [VA]	325000
Max. Output Current [A]	254.1
Rated Grid Voltage [V]	3/PE, 800
Rated Grid Frequency [Hz]	50/60
Power Factor [cos φ]	1(+/-0.8, adjustable)

Efficiency	
Max. Efficiency	99.05%
EU Efficiency	98.55%

Protection	
DC Switch	Integrated
Insulation Resistance Monitoring	Integrated
Input Reverse Polarity Protection	Integrated
Anti-island Protection	Integrated
Residual Current Monitoring	Integrated
String Fault Detection	Integrated
DC Surge Protection	Optional (Type II)
AC Surge Protection	Optional (Type II)
PID Recovery	Optional
DC Arc Protection	Optional
Night SVG Function	Optional

General Data	
Dimensions (W*H*D) [mm]	1159*828*366
Weight [kg]	113
Display	LCD & Bluetooth + APP
Communication	RS485 / PLC
Operating Temperature Range [°C]	-30 ~ +60
Relative Humidity	0-100%
Operation Altitude [m]	≤4000, if >2000, Power Reduction Needed
Topology	Transformerless
Cooling Concept	Smart Fan-cooling
Ingress Protection	IP66

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