

Solavita

SWG 320KTL-T1

Three-phase On-grid Inverter



MODEL

SWG320KTL-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		SWG320KTL-T1
DC Input		
Max. Input Voltage [V]		1500
MPPT Voltage Range [V]		500-1500
Rated Input Voltage [V]		1050
Start-up Voltage [V]		650
No. of MPPT Trackers		12/16
No. of PV Strings per MPPT		2
Max. Input Current per MPPT [A]		40/30
Max. Short Circuit Current per MPPT [A]		60/50
AC Output		
Rated Output Power [kW]		352kW@35°C / 320kW@40°C / 295kW@50°C
Max. Output Apparent Power [kVA]		352
Max. Output Current [A]		254
Rated Grid Voltage [V]		3W+PE, 800
Rated Grid Frequency [Hz]		50/60
Power Factor [cos φ]		1 (+/-0.8, adjustable)
Efficiency		
Max. Efficiency		99.05%
EU Efficiency		98.7%
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 Protect		Optional
LVRT		Integrated
Night SVG Function		Optional
General Data		
Dimensions (W*H*D) [mm]		1180*860*362
Weight [kg]		125
Display		Bluetooth + APP
Communication		RS485 / PLC
Operating Temperature Range [°C]		-30~+60
Relative Humidity		0~100%
Operation Altitude [m]		≤5000, if >3000, Power Reduction Needed
Topology		Transformerless
Cooling Concept		Smart Fan-cooling
Ingress Protection		IP66