

# Solavita

## SWG 225KTL-T1

Three-phase On-grid Inverter



**MODEL**

SWG225KTL-T1



Optional PID recovery



IP66 rated for outdoor use



Intelligent I-V scanning for precise localization to faulty strings



Support night SVG

Model		SWG225KTL-T1
<b>DC Input</b>		
Max. Input Voltage [V]		1500
MPPT Voltage Range [V]		500-1500
Rated Voltage [V]		1050
Start-up Voltage [V]		650
No. of MPPT Trackers		12/6
No. of PV Strings per MPPT		2
Max. Input Current per MPPT [A]		30/60
Max. Short Circuit Current per MPPT [A]		50/100
<b>AC Output</b>		
Rated Output Power [kW]		247.5kW@35°C / 225kW@45°C / 202.5kW@50°C
Max. Output Apparent Power [kVA]		247.5
Max. Output Current [A]		178.6
Rated Grid Voltage [V]		3W+PE, 800
Rated Grid Frequency [Hz]		50/60
Power Factor [cos φ]		1 (+/-0.8,adjustable)
<b>Efficiency</b>		
Max. Efficiency		99.03%
EU Efficiency		98.7%
<b>Protection</b>		
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
<b>General Data</b>		
Dimensions (W*H*D) [mm]		1005*700*336
Weight [kg]		110
Display		LCD & 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