

# Solavita

## SW 40/50 kW

Three-Phase On-Grid Inverter



### MODEL

SW040KTL-T1 | SW050KTL-T1



150% oversizing



Compatible with 600W+ modules



Optional PID recovery



Optional DC Arc Protection

Model	SW040KTL-T1	SW050KTL-T1
<b>DC Input</b>		
Max. Input Voltage [V]	1100	
MPPT Voltage Range [V]	180-1000	
Rated Input Voltage [V]	600	
Start-up Voltage [V]	200	
No. of MPPT Trackers	4	
No. of PV Strings per MPPT	2	
Max. Input Current per MPPT [A]	40	
Max. Short Circuit Current Per MPPT [A]	50	

<b>AC Output</b>		
Rated Output Power [W]	40000	50000
Max. Output Apparent Power [VA]	44000	55000
Max. Output Current [A]	66.6	83.3
Rated Grid Voltage [V]	3/N/PE, 230/400	
Rated Grid Frequency [Hz]	50/60	
Power Factor [cos φ]	1 (+/-0.8, adjustable)	

<b>Efficiency</b>		
Max. Efficiency	98.6%	98.9%
EU Efficiency	98.2%	98.3%

<b>Protection</b>		
DC Switch	Integrated	
Insulation Resistance Monitoring	Integrated	
Input Reverse Polarity Protection	Integrated	
Anti-island Protection	Integrated	
Residual Current Monitoring	Integrated	
AC Overcurrent Protection	Integrated	
AC Short-Circuit Protection	Integrated	
DC Surge Protection	Integrated (Type II)	
AC Surge Protection	Integrated (Type II)	
DC Arc Protection	Optional	
PID Recovery	Optional	

<b>General Data</b>		
Dimensions (W*H*D) [mm]	585*480*220	
Weight [kg]	37	
Display	LCD & Bluetooth+ APP	
Communication	WiFi/RS485/4G(Optional)	
Operating Temperature Range [°C]	-25~+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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