

# Solavita

# SW 5/6/8/10/12/15 kW

Three-Phase On-Grid Inverter



Solavita



## MODEL

SW005KTL-T1 | SW006KTL-T1 | SW008KTL-T1  
SW010KTL-T1 | SW012KTL-T1 | SW015KTL-T1



DC/AC Surge Protection: Type II



110% overloading



Supports remote firmware upgrades



Wide voltage range and low startup voltage

Model	SW005KTL-T1	SW006KTL-T1	SW008KTL-T1	SW010KTL-T1	SW012KTL-T1	SW015KTL-T1
<b>DC Input</b>						
Max. Input Voltage [V]			1100			
MPPT Voltage Range [V]	180-850				200-950	
Rated Voltage [V]	620				600	
Start-up Voltage [V]	160				180	
No. of MPPT Trackers			2			
No. of PV Strings per MPPT	1		1		2/1	
Max. Input Current per MPPT [A]	16		16		32/16	
Max. Short Circuit Current per MPPT [A]	20		20		40/20	

<b>Output AC</b>						
Rated Output Power [W]	5000	6000	8000	10000	12000	15000
Max. Output Apparent Power [VA]	5500	6600	8800	11000	13200	16500
Max. Output Current [A]	8	9.6	13.4	16.7	21.3	25.1
Rated Grid Voltage [V]	3L/N/PE, 220/380, 230/400					
Rated Grid Frequency [Hz]	50/60					
Power Factor [cos φ]	1(+/-0.8, adjustable)					

<b>Efficiency</b>		
Max. Efficiency	98.4%	98.6%
EU Efficiency	97.5%	98.0%

<b>Protection</b>	
DC Switch	Integrated
Insulation Resistance Monitoring	Integrated
Input Reverse Polarity Protection	Integrated
Anti-islanding 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

<b>General Data</b>		
Dimensions (W*H*D) [mm]	430*390*200	
Weight [kg]	18	20
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	