

SW 30/33 kW

Three-phase On-grid Inverter



MODEL

SW030KTL-T2-E1 | SW030KTL-T2
SW033KTL-T2



DC/AC Surge Protection: Type II



110% overloading



Supports remote firmware upgrades



Wide voltage range and low startup voltage

Model	SW030KTL-T2-E1	SW030KTL-T2	SW033KTL-T2
DC Input			
Max. Input Voltage [V]		1100	
MPPT Voltage Range [V]		160-1000	
Rated Input Voltage [V]		600	
Start-up Voltage [V]		200	
No. of MPPT Trackers		3	
No. of PV Strings per MPPT	2/1/2		2/2/2
Max. Input Current Per MPPT [A]	40/20/40		40/40/40
Max. Short Circuit Current Per MPPT [A]	50/30/50		50/50/50

AC Output			
Rated Output Power [W]	30000	30000	33000
Max. Output Apparent Power [VA]	33000	33000	36300
Max. Output Current [A]	48	48	52.6
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)	

Efficiency	
Max. Efficiency	98.6%
EU Efficiency	98.2%

Protection	
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

General Data	
Dimensions (W*H*D) [mm]	475*415*220
Weight [kg]	24
Display	LED/APP
Communication	WiFi / RS485 / 4G (Optional)
Operating Temperature Range [°C]	-25~+60
Relative Humidity	0~100%
Operation Altitude [m]	≤4000(>2000 derating)
Topology	Transformerless
Cooling Concept	Smart Fan-cooling
Ingress Protection	IP66