

SV 30/33 kW

Three-phase On-grid Inverter



MODEL

SV030KTL-T1-DM35 | SV030KTL-T1-DM36
SV033KTL-T1-DM36



DC/AC Surge Protection: Type II



110% overloading



Supports remote firmware upgrades



Wide voltage range and low startup voltage

Model	SV030KTL-T1-DM35		SV030KTL-T1-DM36	SV033KTL-T1-DM36
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, 230/380, 220/400			
Rated Grid Frequency [Hz]	50/60			
Power Factor [cos ϕ]	1 (+/-0.8, adjustable)			
Efficiency				
Max. Efficiency			98.60%	
Euro Efficiency			98.20%	
Protection				
DC Switch			Integrated	
Insulation Resistance Detection			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)	
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	
Humidity			0 ~ 100%	
Operation Altitude [m]			≤ 4000(> 2000 derating)	
Topology			Transformerless	
Type of Cooling			Smart fan-cooling	
Ingress protection			IP66	