

SI1000-30K-T3 SI1000-33K-T3 SI1000-36K-T3 SI1000-40K-T4 SI1000-50K-T4

INPUT/DC

Max.PV Power/Wp	49500	49500	54000	60000	65000
Max. Input Voltage /V	1100				
MPP Voltage Range /V	150-1000				
Full Load MPP Voltage Range /V	330-900	330-900	380-900	430-900	500-900
Min. DC Voltage / Start Up Voltage / V	150/180				
Nominal DC-Input Voltage /V	620				
Max. Input Current /A	30/30/30			30/30/30/30	
Max. DC Short Circuit Current / A	45/45/45			45/45/45/45	
No. of Independent MPPT Inputs	3			4	
No. of PV Strings per MPPT	2				

OUTPUT/AC

Rated Power / W	30000	33000	36000	40000	50000
Max.Apparent AC Power /VA	33000	36300	39600	44000	55000

Rated Grid Voltage / Vac	380/400				
Grid Connection	3 / 3L-N-PE or 3 / 3L-PE				
Rated Power Frequency / Hz	50/60				
Max. Output Current /A	50	55	60	66.7	80
Power Factor	0.8ind to 0.8cap				
THDi @ Rated Power	< 3%				

EFFICIENCY

Max. Efficiency	98.7%				98.8%
Euro. Efficiency	98.3%				98.4%

PROTECTION FUNCTION

Anti-Islanding Protection	Integrated
Input Reverse Polarity Protection	Integrated
Insulation Resistance Detection	Integrated
Residual Current Monitoring	Integrated
Output Over Current Protection	Integrated
Output Short Circuit Protection	Integrated
Over Voltage Protection	II (DC), III (AC)
Surge Protection	DC: Type II / AC: Type II

GENERAL DATA

Dimensions(W*H*D)/mm	580*435*242	
Weight / kg	38	40
User Interface	LCD&LED or LED	
DC Connection Type	MC4	
AC Connection Type	Plug-in Connector	
Communication	RS485/WiFi/GPRS(optional)	
Cooling Method	Smart Fan Cooling	
Operating Ambient Temperature /°C	-25°C--+60°C	
Relative Humidity	0%-100%	
Max. Operating Altitude /m	2000 (大于2000降载)	
Protection Class(IEC 60529)	IP65	
Climatic Category (IEC 60721-3-4)	4K4H	
Topology	Transformerless	
Night Consumption /W	<1	