

Three-Phase Grid-Connected Inverter SI-13~30K-T2



- LED display, touch button design, direct data view
- Maximum efficiency 98.5%, dual MPPT, more power generation
- Photovoltaic input up to 1100V
- 14A string current, suitable for high current high efficiency module applications
- 150% DC over configuration, 110% AC overload output
- Intelligent fan cooling
- Highly protective design of the shell, resistant to heat and corrosion, 25 years without rusting
- Intelligent remote monitoring
- Support anti-backflow function

Technical Data	SI-13K-T2	SI-15K-T2	SI-17K-T2	SI-20K-T2	SI-22K-T2	SI-23K-T2	SI-25K-T2	SI-27K-T2	SI-30K-T2
Input Data									
Max. PV access power	26000W	30000W	34000W	40000W	44000W	46000W	50000W	54000W	60000W
Max. PV input power	17000W	19500W	22000W	26000W	28600W	29900W	32500W	35000W	39000W
Max. PV input voltage	1100V								
Operation voltage range	200V-1000V								
Number of independent MPPT/strings per MPPT	2/2+2	2/2+2	2/2+2	2/2+2	2/2+2	2/2+2	2/2+2	2/3+2	2/3+2
MPPT max. Current	30A/30A							42A/30A	
AC Output Data									
Rated output power	13000W	15000W	17000W	20000W	22000W	23000W	25000W	27000W	30000W
Max. output power	14300W	16500W	18700W	22000W	24000W	25300W	27500W	29700W	33000W
Rated output voltage	400V/320V-480V								
Rated output frequency	50Hz/60Hz								
Rated output current	19A	22A	25A	29A	32A	34A	36A	40A	43.5A
Max. output current	21A	24A	27A	32A	35A	37A	40A	43A	48A
Power factor	-0.8~+0.8(adjustable)								
THDi	<3%(Nominal Output)								
Grid system pattern	3W+N+PE								
Efficiency									
Max. efficiency	98.5%								
Europe efficiency	98.2%								
Protection									
Input DC switch	Yes								
Input over current protection	Yes								
DC reverse polarity protection	Yes								
Output over voltage protection	Yes								
Output over current protection	Yes								
Anti islanding protection	Yes								
AC surge protection	Yes								
DC surge protection	Yes								
Insulation impedance protection	Yes								
RCD detection	Yes								
General Data									
Dimensions (L/W/H) in mm	403/236/360								
Weight	18.5kg			20.5kg			22kg		
Noise	<30dB								
Operation temperature range	-25°C~+60°C								
Heat dissipation mode	Smart cooling								
IP Class	IP65								
Maximum altitude	4000m								
Self-Consumption night	<1w								
Topology	Transformerless								
Features									
LCD display	Yes								
Communication interface	WIFI/GPRS/RS485(optional)								
Warranty	5 years (standard)								
Standards	IEC 61683, IEC 61727, IEC 62116, IEC 60068, EN 62109, IEC 61000, EN 50549, NB/T32004								