

Three-Phase
Grid-Connected Inverter
SI-33~60K-T2



- LED display, touch button design, direct data view
- Maximum efficiency 98.5%, more power generation
- Optimized global MPPT algorithm for more efficient power generation
- 130% DC over configuration, wide DC voltage
- Intelligent remote monitoring
- Support anti-backflow function
- Small, light, fast & easy installation

Technical Data		SI-33K-T2	SI-36K-T2	SI-40K-T2	SI-45K-T2	SI-50K-T2	SI-60K-T2
Input Data							
Max. PV access power		66000W	72000W	80000W	90000W	100000W	120000W
Max. PV input power		43000W	47000W	52000W	60000W	65000W	78000W
Max. PV input voltage		1100V					
Operation voltage range		200V-1000V					
Number of independent MPPT/strings per MPPT		2/3		2/4		3/3	
MPPT max. Current		2*45A		2*52A		3*45A	
AC Output Data							
Rated output power		33000W	36000W	40000W	45000W	50000W	60000W
Max. output power		36000W	40000W	44000W	50000W	55000W	66000W
Rated output voltage		400V/320V-480V					
Rated output frequency		50Hz/60Hz					
Rated output current		48A	52A	58A	65A	72A	87A
Max. output current		52A	58A	64A	72A	80A	95A
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		433/293/498					
Weight		38kg			40kg		
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		NB/T32004					