

Three-Phase  
Grid-Connected Inverter  
SI-70~80K



- LED display, touch button design, direct data view
- Maximum efficiency 99%, Europe efficiency 98.5%
- With 4-MPPT,support series-parallel connection
- IP65 protection,AC and DC surge protection guarantee system safety
- Intelligent remote monitoring
- Standby power consumption less than 1W
- Support anti-backflow function

| Technical Data                              | SI-70K                                | SI-80K  |
|---------------------------------------------|---------------------------------------|---------|
| Input Data                                  |                                       |         |
| Max. PV access power                        | 140000W                               | 160000W |
| Max. PV input power                         | 85000W                                | 100000W |
| Max. PV input voltage                       | 1100V                                 |         |
| Operation voltage range                     | 200V-1000V                            |         |
| Number of independent MPPT/strings per MPPT | 4/3                                   | 4/4     |
| MPPT max. Current                           | 39A*4                                 | 52A*4   |
| AC Output Data                              |                                       |         |
| Rated output power                          | 70000W                                | 80000W  |
| Max. output power                           | 77000W                                | 88000W  |
| Rated output voltage                        | 400V/320V-480V                        |         |
| Rated output frequency                      | 50Hz/60Hz                             |         |
| Rated output current                        | 101A                                  | 115A    |
| Max. output current                         | 111A                                  | 128A    |
| Power factor                                | -0.8~+0.8(adjustable)                 |         |
| THDi                                        | <3%(Nominal Output)                   |         |
| Grid system pattern                         | 3W+N+PE                               |         |
| Efficiency                                  |                                       |         |
| Max. efficiency                             | 99%                                   |         |
| Europe efficiency                           | 98.5%                                 |         |
| 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                                   |         |
| String Monitoring                           | Optional                              |         |
| General Data                                |                                       |         |
| Dimensions (L/W/H) in mm                    | 690/296/640                           |         |
| Weight                                      | 68kg                                  |         |
| 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                       |         |
| Warranty                                    | 5 years (standard)/20 years(optional) |         |
| Standards                                   | NB/T32004                             |         |