

| Technical Data                                | HI-3K-SL   | HI-3.6K-SL | HI-4K-SL   | HI-5K-SL   | HI-6K-SL   |
|---|--|------------|------------|------------|------------|
| <b>PV String Input Data</b>                   |  |            |            |            |            |
| Max. DC input power                           | 4500W  | 5400W      | 6000W      | 7500W      | 9000W      |
| Max. DC input voltage                         | 550V   |            |            |            |            |
| Operation voltage range                       | 80V-550V   |            |            |            |            |
| MPPT working voltage range                    | 90V-550V   |            |            |            |            |
| Number of independent MPPT / strings per MPPT | 2/1+1  |            |            |            |            |
| MPPT max. current                             | 15A/15A  |            |            |            |            |
| Start-up voltage/Min.operating voltage        | 100V/80V   |            |            |            |            |
| <b>AC Output/Input Data (On-grid)</b>         |  |            |            |            |            |
| Nominal output apparent power                 | 3000W  | 3600W      | 4000W      | 5000W      | 6000W      |
| Max. output apparent power                    | 3300VA   | 4000VA     | 4400VA     | 5500VA     | 6600VA     |
| Nominal output voltage                        | 230V/180V-280V   |            |            |            |            |
| Nominal output frequency                      | 50Hz,60Hz/±5Hz   |            |            |            |            |
| Rated output current                          | 13A  | 15.6A      | 18A        | 22A        | 26A        |
| Max. output current                           | 14A  | 17A        | 19A        | 24A        | 29A        |
| Power factor                                  | -0.8~+0.8(adjustable)  |            |            |            |            |
| THDi  | <3%(Nominal Output)  |            |            |            |            |
| Grid system pattern                           | L+N+PE   |            |            |            |            |
| Max.apparent power from utility grid          | 6000VA   | 7200VA     | 8000VA     | 10000VA    | 12000VA    |
| Max.AC current from utility grid              | 28A  | 32A        | 38A        | 48A        | 58A        |
| <b>Back-up Output Data (UPS)</b>              |  |            |            |            |            |
| Peak output apparent power                    | 4000VA,10s   | 4600VA,10s | 5000VA,10s | 6000VA,10s | 7000VA,10s |
| Nominal output apparent power                 | 3000VA   | 3600VA     | 4000VA     | 5000VA     | 6000VA     |
| Nominal output voltage                        | 208V,220V,230V,240V  |            |            |            |            |
| Nominal output frequency                      | 50Hz/60Hz  |            |            |            |            |
| Output THDV                                   | <3%  |            |            |            |            |
| Automatic switch time                         | <10ms  |            |            |            |            |
| <b>Battery Input Data</b>                     |  |            |            |            |            |
| Battery type                                  | Li-Ion /Lead-acid  |            |            |            |            |
| Nominal battery voltage                       | 48V  |            |            |            |            |
| Battery voltage range                         | 40V-60V  |            |            |            |            |
| Max. charging voltage                         | 58V(Configurable)  |            |            |            |            |
| Max. charging/discharging current             | 70A  | 80A        | 100A       | 100A       | 100A       |
| Battery capacity(AH)                          | 50-2000  |            |            |            |            |
| Charging strategy for Li-Ion battery          | Self-adaption to BMS   |            |            |            |            |
| Charging strategy for Lead-acid Battery       | Three-stage  |            |            |            |            |
| <b>Efficiency</b>                             |  |            |            |            |            |
| Max. efficiency                               | 98%  | 98%        | 98%        | 98%        | 98%        |
| Europe efficiency                             | 97.5%  | 97.5%      | 97.5%      | 97.5%      | 97.5%      |
| Max. battery to load efficiency               | 94%  | 94%        | 94%        | 94%        | 94%        |
| <b>Protection</b>                             |  |            |            |            |            |
| Anti islanding protection                     | Yes  |            |            |            |            |
| Insulation impedance protection               | Yes  |            |            |            |            |
| RCD detection                                 | Yes  |            |            |            |            |
| PV reverse polarity protection                | Yes  |            |            |            |            |
| Output over voltage protection                | Yes  |            |            |            |            |
| Output over current protection                | Yes  |            |            |            |            |
| <b>General Data</b>                           |  |            |            |            |            |
| Dimensions(W/L/H)in mm                        | 375/365/240  |            |            |            |            |
| Weight  | 20kg   |            |            |            |            |
| Noise   | <25dB  |            |            |            |            |
| Operation temperature range                   | -25°C~+60°C  |            |            |            |            |
| Heat dissipation mode                         | Natural  |            |            |            |            |
| IP Class                                      | IP 65  |            |            |            |            |
| Maximum altitude                              | 4000m  |            |            |            |            |
| Self-Consumption night                        | <3w  |            |            |            |            |
| Topology                                      | Transformerless  |            |            |            |            |
| <b>Features</b>                               |  |            |            |            |            |
| LCD display                                   | Yes  |            |            |            |            |
| Communication interface                       | WiFi/4G/USB/CAN/RS485  |            |            |            |            |
| Warranty                                      | 5years (standard)  |            |            |            |            |
| Standards                                     | CE,G83/G59,VDE0126-1-1,AS4777,AS/NZS3100,CEI 0-21,VDE-AR-N4105 |            |            |            |            |