

## String Inverter

HYX-S15K/17K/20K/22K/25K/30K-LT

Version 1.4-202606

Design and specifications are subject to change without notice.



### Safe & Reliable

- IP66, 1400+ Cumulative Rigorous Tests
- Type II DC/AC Surge Protection, Lightning-Proof
- 300m AFCI Detection with 0.5s Rapid Shutdown



### Convenient & User-Friendly

- Compact and Lightweight Design, Plug-and-Play Installation
- App-Based Quick Setup



### Profitable & Efficient

- 40A Design, Daynamic MPPT Efficiency of 99.9%
- Built-in PID Repair, Improving Overall System Performance
- AI Dynamic MPPT, Boosting Power Generation by 5%



### Smart & Manageable

- Intelligent IV Diagnostics for Precise Fault Identification
- Real-Time Monitoring with OTA for Online Maintenance

## Technical Specifications

HYX-S15K/17K/20K/22K/25K/30K-LT

| Product Model                 | HYX-S15K-LT               | HYX-S17K-LT | HYX-S20K-LT | HYX-S22K-LT | HYX-S25K-LT | HYX-S30K-LT |
|-------------------------------|---------------------------|-------------|-------------|-------------|-------------|-------------|
| PV Input                      |                           |             |             |             |             |             |
| Max. Input Power              | 24000W                    | 27200W      | 32000W      | 35200W      | 40000W      | 48000W      |
| Max. Input Voltage            | 800Vd.c.                  |             |             |             |             |             |
| Nominal Input Voltage         | 550Vd.c.                  |             |             |             |             |             |
| Start-up Voltage              | 160Vd.c.                  |             |             |             |             |             |
| MPPT Operating Voltage Range  | 140 ~ 800Vd.c.            |             |             |             |             |             |
| MPPT Full Load Voltage Range  | 300 ~ 700Vd.c.            |             |             |             |             |             |
| Max. Input Current Per MPPT   | 40Ad.c.                   |             |             |             |             |             |
| Max. Input Current Per String | 20Ad.c.                   |             |             |             |             |             |
| Max. Short-Circuit Current    | 50Ad.c.                   |             |             |             |             |             |
| Number of MPPT                | 3                         |             |             |             | 4           |             |
| Max. Input Number Per MPPT    | 2                         |             |             |             |             |             |
| AC Output                     |                           |             |             |             |             |             |
| Nominal Output Power          | 15000W                    | 17000W      | 20000W      | 22000W      | 25000W      | 30000W      |
| Max. Apparent Power           | 16500VA                   | 18700VA     | 22000VA     | 24200VA     | 27500VA     | 33000VA     |
| Nominal Output Voltage        | 3L/N/PE, 220Va.c.         |             |             |             |             |             |
| Nominal AC Grid Frequency     | 60Hz                      |             |             |             |             |             |
| Nominal Output Current        | 39.3A/220V                | 44.6A/220V  | 52.4A/220V  | 57.7A/220V  | 65.6A/220V  | 78.7A/220V  |
| Max. Output Current           | 43.3A/220V                | 49A/220V    | 57.7A/220V  | 63.5A/220V  | 72.1A/220V  | 86.6A/220V  |
| Adjustable Power Factor       | 0.8 leading...0.8 lagging |             |             |             |             |             |
| THDi                          | < 3%                      |             |             |             |             |             |

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| Product Model                    | HYX-S15K-LT | HYX-S17K-LT | HYX-S20K-LT | HYX-S22K-LT                    | HYX-S25K-LT | HYX-S30K-LT |
|----------------------------------|-------------|-------------|-------------|--------------------------------|-------------|-------------|
| Efficiency                       |             |             |             |                                |             |             |
| Max. Efficiency                  |             |             |             | 98.8%                          |             |             |
| European Weighted Efficiency     |             |             |             | 98.5%                          |             |             |
| MPPT Efficiency                  |             |             |             | 99.9%                          |             |             |
| Protection                       |             |             |             |                                |             |             |
| Active Anti-islanding Protection |             |             |             | YES                            |             |             |
| Residual Current Monitoring      |             |             |             | YES                            |             |             |
| DC Reverse Polarity Protection   |             |             |             | YES                            |             |             |
| DC Switch                        |             |             |             | YES                            |             |             |
| AC Short-circuit Protection      |             |             |             | YES                            |             |             |
| AC Overvoltage Protection        |             |             |             | YES                            |             |             |
| AC Overcurrent Protection        |             |             |             | YES                            |             |             |
| DC Surge Protection              |             |             |             | Type II                        |             |             |
| AC Surge Protection              |             |             |             | Type II                        |             |             |
| Ground Fault Detection           |             |             |             | YES                            |             |             |
| AFCI                             |             |             |             | Optional                       |             |             |
| PID recovery                     |             |             |             | Optional                       |             |             |
| General Data                     |             |             |             |                                |             |             |
| Operating Temperature Range      |             |             |             | -30 to + 60°C                  |             |             |
| Relative Operating Humidity      |             |             |             | 0 ~ 100 %RH                    |             |             |
| Operating Altitude               |             |             |             | 4000m                          |             |             |
| Cooling                          |             |             |             | Smart Air Cooling              |             |             |
| Display                          |             |             |             | LED+APP                        |             |             |
| Communication                    |             |             |             | RS485/4G/Wi-Fi/HPLC (Optional) |             |             |
| Weight                           |             |             |             | 44kg                           |             |             |
| Dimensions (W × H × D)           |             |             |             | 615 × 460 × 268.5mm            |             |             |
| Topology                         |             |             |             | Non-Isolated                   |             |             |
| Degree of Protection             |             |             |             | IP66                           |             |             |
| Overvoltage Level                |             |             |             | PV II/AC III                   |             |             |