

# STRING INVERTER

## HYX-S350K-HT



### Highly Profitable

- 75A design for higher output power
- 14% less switching loss, 99.03% conversion efficiency
- AI dynamic MPPT, boosting power generation by 5%

### Ultimately Reliable

- Terminal temperature monitoring with overheat protection
- Smart string disconnection, <25ms fast shutdown
- IP66, 1400+ cumulative rigorous tests

### Grid-Friendly

- Full power feed in grid at SCR<1.2
- THDi <3% for improved power quality

### Smart & Manageable

- Intelligent IV curve scanning with 99% fault detection accuracy
- Real-time monitoring with OTA for online maintenance

HYX-H350K-HT

## Technical Specifications

| Product Model                     | HYX-S350K-HT                      |
|-----------------------------------|-----------------------------------|
| <b>PV Input</b>                   |                                   |
| Max. Input Voltage                | 1,500V                            |
| Nominal Input Voltage             | 1,080V                            |
| Start-up Voltage                  | 500V                              |
| MPPT Operating Voltage Range      | 480 - 1,500V                      |
| Max. Input Current Per MPPT       | 75A                               |
| Max. Short-Circuit Current        | 120A                              |
| Number of MPP Trackers            | 6                                 |
| Max. Input Number Per MPP Tracker | 30 (Optional: 24)                 |
| <b>AC Output</b>                  |                                   |
| Max. Output Power                 | 352kW                             |
| Max. Apparent Power               | 352kVA                            |
| Nominal Output Voltage            | 3L / PE, 800V                     |
| Nominal AC Grid Frequency         | 50Hz / 60Hz                       |
| Nominal Output Current            | 230.9A                            |
| Max. Output Current               | 254A                              |
| Adjustable Power Factor           | >0.99 (0.8 leading...0.8 lagging) |
| THDi                              | < 3%                              |
| <b>Efficiency</b>                 |                                   |
| Max. Efficiency                   | ≥99.03%                           |
| European Weighted Efficiency      | ≥98.8%                            |
| MPPT Efficiency                   | 99.9%                             |
| <b>Protection</b>                 |                                   |
| 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                               |
| Smart String-level Disconnection  | Yes                               |
| Smart Connector-level Detection   | Yes                               |
| <b>General Data</b>               |                                   |
| Operating Temperature Range       | -35 to + 60°C                     |
| Relative Operating Humidity       | 0 - 100 %RH                       |
| Operating Altitude                | 5,000m                            |
| Cooling                           | Smart Air Cooling                 |
| Display                           | LED / WLAN+App                    |
| Communication                     | RS485 / HPLC                      |
| Weight                            | 130kg                             |
| Dimensions (W*H*D)                | 1120*820*380mm                    |
| Topology                          | Non-Isolated                      |
| Degree of Protection              | IP66                              |
| Overvoltage Level                 | PV II / AC III                    |