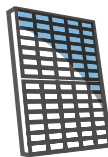


IS-HYB-10000-3PH  
IS-HYB-15000-3PH  
IS-HYB-25000-3PH



### Active Safety

AFCI Active Arcing  
Protection



### Shade Mitigation

Higher yield with MPPT  
multi-peak scanning



### AC + DC Output

up to 37.5kW combined<sup>3</sup>



**EXTENDED  
WARRANTY**



**10 year warranty**  
(materials & workmanship)



**FREE 2 year parts  
warranty extension**

# Technical Specifications

| Model  | IS-HYB-10000-3PH  | IS-HYB-15000-3PH | IS-HYB-25000-3PH |
|--|---|------------------|------------------|
| <b>Efficiency</b>  |   |                  |                  |
| Max. efficiency  | 98.4%   | 98.4%            | 98.4%            |
| European weighted efficiency                             | 97.7 %  | 98.0%            | 98.2%            |
| <b>DC Input (PV)</b>                                     |   |                  |                  |
| Max. input voltage <sup>1</sup>                          | 1,100 V   |                  |                  |
| Recommended max. PV power <sup>2</sup>                   | 25,000Wp  | 37,500 Wp        | 62,500 Wp        |
| Start-up up voltage                                      | 200 V   |                  |                  |
| MPPT operating voltage range                             | 200 V ~ 1,000 V   |                  |                  |
| Full-Load MPPT voltage range                             | 370-800V  | 410-800V         | 530-800V         |
| Rated input voltage                                      | 600 V   |                  |                  |
| Max. input current per MPPT                              | 30 A (two strings) / 20 A (single string)                                   |                  |                  |
| Max. short-circuit current                               | 40 A  |                  |                  |
| Number of MPP trackers                                   | 2   |                  |                  |
| Max. numberof inputs                                     | 4   |                  |                  |
| <b>Smart String Energy Storage System Terminal</b>       |   |                  |                  |
| Compatible Smart String ESS                              | IS-BATT-5000/10000/15000-S0   |                  |                  |
| Operating voltage range                                  | 600 V ~ 980 V   |                  |                  |
| Max. operating current                                   | 26.25 A (per string)  |                  |                  |
| Max. charge power  | 21 kW (Single string) 25 kW (Two strings)                                   |                  |                  |
| Max. discharge power                                     | 9999 W  | 16.5 kW          | 25.0 kW          |
| Number of terminals                                      | 2   |                  |                  |
| <b>Output</b>  |   |                  |                  |
| Rated output power                                       | 9,999 W   | 15,000 W         | 25,000 W         |
| Max. active power (cosφ = 1)                             | 9,999 W   | 16,500 W         | 27,500 W         |
| Max. apparent power                                      | 9,999 VA  | 16,500 VA        | 27,500 VA        |
| Max. output current                                      | 15 .2 A / 400 Vac   | 25.2 A / 400 Vac | 42.0 A / 400 Vac |
| Rated output current                                     | 14. 4 A / 400 Vac   | 21.7 A / 400 Vac | 36.1 A / 400 V   |
| Rated output voltage                                     | 220 Vac / 380 Vac, 230 Vac / 400 Vac, 240 Vac / 415 Vac; 3 W / N + PE       |                  |                  |
| Rated AC grid frequency                                  | 50 Hz / 60 Hz   |                  |                  |
| Adjustable power factor                                  | 0.8 leading ... 0.8 lagging   |                  |                  |
| Max. total harmonic distortion                           | ≤ 3 %   |                  |                  |
| <b>Protection &amp; Feature</b>                          |   |                  |                  |
| Anti -Islanding protection                               | Yes   |                  |                  |
| DC reverse polarity protection                           | Yes   |                  |                  |
| DC surge protection                                      | TYPE II   |                  |                  |
| AC surge protection                                      | Yes, compatible with TYPE II protection class according to EN/IEC 61643 -11 |                  |                  |
| Residual current monitoring                              | Yes   |                  |                  |
| AC overcurrent protection                                | Yes   |                  |                  |
| Overvoltage category                                     | PV II /AC III   |                  |                  |
| Arc fault protection                                     | Yes   |                  |                  |
| Input-side disconnection device                          | Yes   |                  |                  |
| <b>General Data</b>                                      |   |                  |                  |
| Operating temperature range                              | -25 ~ +60 °C (Derating above 45 °C @ Rated output power)                    |                  |                  |
| Relative operating humidity                              | 0 %RH ~ 100 %RH   |                  |                  |
| Operating altitude                                       | 0 ~ 4,000 m (Derating above 2,000 m)  |                  |                  |
| Cooling  | Smart Air Cooling   |                  |                  |
| Display  | LED indicators; integrated WLAN + iStorehome APP                            |                  |                  |
| Communication  | RS485, WLAN/ Ethernet via IS-Dongle-WLAN                                    |                  |                  |
| Weight   | 21 kG   |                  |                  |
| Dimension (incl. mounting bracket)                       | 546 x 460 x 228 mm  |                  |                  |
| Degree of protection                                     | IP66  |                  |                  |
| Country of manufacture                                   | China   |                  |                  |
| Max. number of paralleled unit (with Smart String ESS)   | 3   |                  |                  |
| <b>Standard Compliance (more available upon request)</b> |   |                  |                  |
| Safety   | IEC 62109-1, IEC 62109 -2   |                  |                  |
| Grid connection standards                                | AS/NZS 4777.22020   |                  |                  |

\*1. The maximum input voltage is the upper limit of the DC voltage. Any higher input DC voltage would probably damage inverter.

\*2. If the string design is under the inverter's max voltage and current input limits, and a compatible DC-coupled battery is connected. Please refer to oversizing guidelines document.

\*3. For IS-HYB-25000-3PH, Dependent on qty of iStore ESS Battery and PV string design

**Disclaimer:** The preceding values are measured by an internal laboratory in a specific environment. The actual values may vary with products, software versions, usage conditions, and environmental factors.