



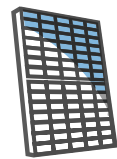
**Active Safety**

AI powered  
active arcing protection



**AC + DC output**

9.99kW AC Output plus  
5kW Battery Charge



**Shade Mitigation**

Higher yield with MPPT  
multi-peak scanning



**EXTENDED  
WARRANTY**



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



**FREE 2 year parts  
warranty extension**

# Technical Specifications

Model	IS-HYB-10000-1PH
<b>Efficiency</b>	
Max. efficiency	98.1%
European weighted efficiency	97.5 %
<b>Input (PV)</b>	
Max. input voltage <sup>1</sup>	600 V
Recommended max. PV power <sup>2</sup>	25,000Wp
Start-up up voltage	50 V
MPPT operating voltage range	40 - 560 V
Rated input voltage	360 V
Max. input current per MPPT	16 A
Max. short-circuit current	20 A
Number of MPP trackers	3
Max. number of inputs	3
<b>Input (DC Battery)</b>	
Compatible Battery	iStore ESS Battery 5 kWh - 30 kWh
Operating voltage range	350 ~ 600 Vdc
Max. operating current	25 A
Max. charge power	10,000 W
Max. discharge power	9,999 W
Max. number of connected batteries	2
<b>Output (On Grid)</b>	
Grid connection	Single phase (1)
Rated output power	9,999 W
Rated AC Apparent power	9,999 VA
Rated output voltage	220 Vac 230 Vac 240 Vac, L N PE
Rated AC grid frequency	50 Hz / 60 Hz
Max. output current	45.5 A
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
Insulation monitoring	Yes
DC surge protection	Yes, compatible with TYPE II protection class according to EN/IEC 61643 -11
AC surge protection	Yes, compatible with TYPE II protection class according to EN/IEC 61643 -11
Residual current monitoring	Yes
AC overcurrent protection	Yes
AC short-circuit protection	Yes
AC overvoltage protection	Yes
Ripple receiver control	Yes
Arc fault protection	Yes
Battery reverse charging from grid	Yes
Over-heat (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	15 kG
Dimension (incl. mounting bracket)	425 mm x 376.5 mm x 150 mm
Degree of protection	IP66
Country of manufacture	China
<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 likely 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.

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.