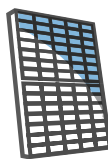


IS-HYB-10000-3PH  
IS-HYB-15000-3PH  
IS-HYB-25000-3PH



**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		
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. number of 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.