

# Fox Hybrid/AC Inverter

## Three-Phase

H3 & AC3  
5 - 12kW



### Easy Installation

Flexible configuration, plug and play set-up, built-in fuse protection.



### High Voltage

Connects to high-voltage batteries for maximum round-trip efficiency.



### IP65 Rated

Engineered to last with maximum flexibility. Suitable for outdoor installation.



### Remote Monitoring

Monitor your system remotely via smartphone app or web portal.

## TECHNICAL SPECIFICATIONS

Model	H3-5.0-E AC3-5.0-E	H3-6.0-E AC3-6.0-E	H3-8.0-E AC3-8.0-E	H3-10.0-E AC3-10.0-E	H3-12.0-E
<b>INPUT PV (Only for hybrid)</b>					
Max. Input Power [W]	7500	9000	10400	13000	15000
Max. Input Voltage [V]			1000		
Start-up Input Voltage [V]			160		
Rated Input Voltage [V]			720		
MPPT Operating Voltage Range [V]			160-950		
Max. Input Current [A]	14/14	14/14	26/14	26/14	26/14
Max. Short-circuit Current [A]	16/16	16/16	32/16	32/16	32/16
No. of Independent MPP Trackers			2		
No. of Strings per MPP Tracker	1/1	1/1	2/1	2/1	2/1
<b>BATTERY CONNECTION</b>					
Battery Type	Lithium Battery (LFP)				
Battery Voltage Range [V]	180-600				
Max. Charge/Discharge Current [A]	26.0				
Communication Interface	CAN(Communicate with inverter), RS485 (Upgrade BMS)				
<b>AC INPUT AND OUTPUT (GRID)</b>					
Max. AC Input Power [VA]	10000	12000	16000	16000	16000
Max. AC Input Current (per phase) [A]	15.2	18.2	24.2	24.2	24.2
Rated Output Power [W]	5000	6000	8000	10000	12000
Max. Output Apparent Power [VA]	5500	6600	8800	11000	13200
Rated Output Current (per phase) [A]	7.2	8.7	11.6	14.5	17.4
Max. Output Current (per phase)[A]	8.8	10.6	14.1	17.6	21.2
Rated Grid Voltage [V]	3L/N/PE 380/220; 400/230; 415/240				
Rated Grid Frequency [Hz]	50/60				
Power Factor	1 ( Adjustable from 0.8 leading to 0.8 lagging )				
THDI	<3%@Rated Power				
<b>EPS OUTPUT (WITH BATTERY)</b>					
Max. Output Apparent Power [VA]	5000	6000	8000	10000	12000
Peak Output Apparent Power (60s) [VA]	10000	12000	14000	15000	15000
Max. Current (per phase) [A]	7.2	8.7	11.6	14.5	17.4
Rated Output Voltage [V]	3L/N/PE 400/230				
Rated Output Frequency [Hz]	50/60				
Power Factor	1 ( Adjustable from 0.8 leading to 0.8 lagging )				
THDv ( linear Load)	<3%@Rated Power				
Switch time [ms]	<20				
<b>EFFICIENCY</b>					
Euro Efficiency	97.80%	97.80%	98.00%	98.00%	98.00%
Max. Efficiency	97.20%	97.20%	97.30%	97.30%	97.30%
Max. Battery Charge Efficiency (PV to BAT) (@full load)	98.50%	98.50%	98.50%	98.50%	98.50%
Max. Battery Discharge Efficiency (BAT to AC) (@full load)	97.00%	97.00%	97.00%	97.00%	97.00%
<b>PROTECTION</b>					
Insulation Monitoring	YES				
Residual Current Monitoring	YES				
DC Reverse Polarity Protection	YES				
Anti-islanding Protection	YES				
AC Short-circuit Protection	YES				
AC Overcurrent/Overvoltage Protection	YES				
DC Switch	YES				
SPD	DC: Type II, /AC: Type II				
AFCI	Optional ( Available in Q3,2022 )				
<b>GENERAL DATA</b>					
Dimensions (WxHxD) [mm]	449*519*198				
Weight [kg]	28				
Installation	Wall-Mounted				
Topology	Transformerless				
Cooling Method	Nautral		FAN Cooling		
Noise Emission [db]	35		45		
Max. Operating Altitude [m]	2000				
Operating Temperature Range [°C]	-25 to 60				
Humidity ( No Condensation )	0% to 100%				
Protection Degree	IP65				
Standby consumption [W]	<15				
Monitoring Module	WIFI, LAN, 4G, GPRS (Optional)				
Communication	2*RS485, DRM, Ripple Control, USB				
Display	LCD, App, Website				
<b>STANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST)</b>					
Safety	EN 62109-1, EN 62109-2, EN 62477-1				
EMC	IEC 61000-6-1, IEC 61000-6-3				
Grid Regulation	EN50549-1, C10/11, VDE-AR-N 4105, G98, CEI 0-21				

\* More technical characteristics are available on demand and customized.