



DATASHEET  
 Three-Phase Hybrid/AC Inverter  
 H3-5.0-E / 6.0 / 8.0 / 10.0 /12.0  
 AC3-5.0-E / 6.0 / 8.0 / 10.0/12.0

# 3-PHASE

## HYBRID/AC INVERTER

Harness the power of the sun day and night with the ground-breaking range of Hybrid & AC inverters from FOX.

Full of advanced features and compatible with our very own range of high-voltage batteries, the hybrid range from FOX. is a new class of Inverter.



FOX storage solutions are available with advanced and intuitive app based remote control and monitoring functionality.



### 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.



up to  
**12kW**  
 charge/  
 discharge

REFINED – POWERFUL – FLEXIBLE

## BATTERY EXPANSION EASY UPGRADE



Expand your system easily by simply adding additional batteries. There are three battery size options, and four batteries can be installed in series, providing up to 10.4kWh of storage capacity.

For more about the FOX range, visit:

WWW.FOX-ESS.COM



# 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 AC3-12.0-E
Max. recommended DC power [W]	7500	9000	10400	13000	15000
Max. DC voltage [V]					
Nominal DC operating voltage [V]					
Max. input current (input A/input B) [A]	14A/14A	14A/14A	26A/14A	26A/14A	26A/14A
Max.short circuit current[A]	16A/16A	16A/16A	32A/16A	32A/16A	32A/16A
Start-Up voltage [V]					
MPPT voltage range [V]					
MPPT voltage range (Full load) [Vdc]					
No. of MPP trackers					
Strings per MPP tracker	1+1	1+1	2+1	2+1	2+1
Nominal AC power [VA]	5000	6000	8000	10000	12000
Max. apparent AC power [VA]	5500	6600	8800	11000	13200
Rated grid voltage (AC voltage range) [V]					
Rated grid Frequency [Hz]					
Max. AC current [A]	8.0	9.6	12.8	16.0	19.2
Displacement power factor					
Total harmonic distortion (THDi, rated power)					
Export Control					
AC inrush current [A]					
Max. output fault current [A]					
Max.output overcurrent protection [A]					
Battery Type			Lithium battery		
Battery voltage[V]			180-600		
Full AC load Battery voltage[V]	205	250	330	410	480
Max. Charge/ discharge current[A]			26.0		
Communication interface			CAN/RS485		
Max. AC power [VA]	10000	12000	16000	16000	16000
Max. AC current [A]	15.2	18.2	24.2	24.2	24.2
Rated grid voltage (AC voltage range) [V]					
Rated grid frequency [Hz]					
Power factor					
AC Inrush current [A]					
Nominal AC power [W]	5000	6000	8000	10000	12000
Max. AC power (60s) [VA]	10000	12000	14000	15000	15000
EPS rated voltage [V], Frequency [Hz]					
EPS Max current [A](Per phase)	15.2	18.2	21.2	22.7	22.7
Power factor					
Switch time					
THDV					
MPPT efficiency					
Max. efficiency					
Euro-efficiency					
PV Reverse polarity protection			YES		
Batter reverse protection			YES		
Anti-islanding protection			YES		
Output short protection			YES		
Leakage current protection			YES		
Insulation resistor detection			YES		
Over voltage category			III(AC side),II(DC side)		
Over-current protection / Over-temperature protection			YES		
AC/DC surge protection			Type II		
AFCl protection			optional		
DC SWITCH			optional		
String monitoring function			optional		
			449*519*198		
			28		
			wall-mounted		
			-25to+60		