

DATASHEET

Three-Phase Hybrid AIO

AIO-H3-5.0 / 6.0 / 8.0 / 10.0





Easy Installation

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



High Voltage

Includes high-voltage batteries for maximum round-trip effciency.



IP65 Rated

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



Remote Monitoring

Monitor your system remotely via smartphone app or web portal.



UNBALANCED LOADS SUPPORTED EPS OPTION

EASY UPGRADE



A high-performance, high-efficiency all-inone system with 10.4kWh of storage capacity.

For more about the Fox ESS range, visit:

WWW.FOX-ESS.COM









TECHNICAL SPECIFICATIONS

Model	AIO-H3-5.0	AIO-H3-6.0	AIO-H3-8.0	AIO-H3-10.0		
V INPUT						
fax. Input Power [W]	A:3000 B:3000	A:4000 B:4000	A:6000 B:4000	A:8000 B:5000		
Лах. Input Voltage [V]		1	.000			
tart-up Input Voltage [V]	180					
Rated Input Voltage [V]	720					
MPPT Operating Voltage Range [V]		180)∼950			
Max. Input Current [A]	14 / 14	14 / 14	26 / 14	26 / 14		
Max. Short-circuit Current [A]	16 / 16	16 / 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		
BATTERY CONNECTION		·	<u>.</u>			
Battery Type		Prismatic Lithium-	Iron-Phosphate (LFP)			
Battery Voltage [V]	180~234					
Max. Charge/Discharge Current [A]	26					
	CAN (Communicate with inverter), RS485 (Upgrade BMS)					
Communication Interface	CAN (Communicate with inverter), KS485 (Upgrade BMS) Fox ESS HV2600					
Applicable battery module		FOX ES	S HV2600			
AC INPUT AND OUTPUT (GRID)						
Max. AC Input Power [VA]	10000	12000	16000	16000		
Лах. AC Input Current (per phase) [A]	15.2	18.2	24.2	24.2		
ated Output Power [W]	5000	6000	8000	10000		
Max. Output Apparent Power [VA]	5500	6600	8800	11000		
Rated Output Current (per phase) [A]	7.2	8.7	11.6	14.5		
Max. Output Current [A]	8.8	10.6	14.1	17.6		
Rated Grid Voltage [V]	5.0			_,,,		
Rated Grid Frequency [Hz]	3L/N/PE 380/220; 400/230; 415/240					
Power Factor	50/60					
	1 (Adjustable from 0.8 leading to 0.8 lagging)					
FHDI [%]		<3 @Ra	ited Power			
EPS OUTPUT (WITH BATTERY)						
Max. Output Apparent Power [VA]	5000	6000	8000	10000		
Peak Output Apparent Power (60s) [VA]	8000	8000	12000	12000		
Max. Current (per phase) [A]	7.2	8.7	11.6	14.5		
lated Output Voltage [V]		3L/N/P	E 400 / 230			
Rated Output Frequency [Hz]		5	0/60			
Power Factor	1 (Adjustable from 0.8 leading to 0.8 lagging)					
HDv (linear Load) [%]			ted Power			
Switch time [s]			th EPS Box)			
EFFICIENCY		12.5 (***	2. 3 20x)			
		0	7.00			
Euro Efficiency [%]						
Max. Efficiency [%]		9	7.80			
Max. Battery Charge Efficiency		9	8.50			
PV to BAT) (@full load) [%]						
Max. Battery Discharge Efficiency		٥	7.00			
BAT to AC) (@full load) [%]			7.00			
PROTECTION						
nsulation Monitoring		,	YES			
tesidual Current Monitoring	YES					
DC Reverse Polarity Protection	YES					
Anti-islanding Protection	YES					
AC Short-circuit Protection	YES					
C Overcurrent/Overvoltage Protection	YES					
			YES			
PD			YES I, /AC: Type III			
PD						
DC Switch (only for hybrid) EPD GENERAL DATA Dimensions (WxHxD) [mm]		DC: Type II				
PD SENERAL DATA Dimensions (WxHxD) [mm]		DC: Type II	, /AC: Type III			
PD SENERAL DATA Simensions (WxHxD) [mm] Veight [kg]		DC: Type II 630*1 97 (Exce	, /AC: Type III .662*389			
PD SENERAL DATA Simensions (WxHxD) [mm] Veight [kg] nstallation		DC: Type II 630*1 97 (Excel Floor-	, /AC: Type III .662*389 ot Batteries)			
PD SENERAL DATA Dimensions (WxHxD) [mm] Veight [kg] nstallation Opology		DC: Type II 630*1 97 (Exce Floor- Transf	, /AC: Type III .662*389 ot Batteries) Mounted ormerless			
PD ENERAL DATA Immensions (WxHxD) [mm] Veight [kg] nstallation opology ooling Method		DC: Type II 630*1 97 (Exce Floor- Transf N:	, /AC: Type III 662*389 pt Batteries) Mounted ormerless stural			
PD SENERAL DATA Dimensions (WxHxD) [mm] Veight [kg] Installation Opology Cooling Method Hoise Emission [dB]		DC: Type II 630*1 97 (Exce Floor- Transfi Na	, /AC: Type III 662*389 pt Batteries) Mounted ormerless satural			
PD SENERAL DATA Dimensions (WxHxD) [mm] Veight [kg] Installation Sopology Sooling Method Hoise Emission [dB] Alax. Operating Altitude [m]		DC: Type II 630*1 97 (Exce Floor- Transfi N:	, /AC: Type III 662*389 ob Batteries) Mounted ormerless satural 35			
PD SENERAL DATA Dimensions (WxHxD) [mm] Veight [kg] Installation Sopology Sooling Method Hoise Emission [dB] Jax. Operating Altitude [m] Operating Temperature Range [*C]		DC: Type II 630*1 97 (Exce Floor- Transfi No	, /AC: Type III 662*389 ob Batteries) Mounted ormerless satural 35 0000 5 ~ 60			
SEPERAL DATA Dimensions (WxHxD) [mm] Weight [kg] Installation Topology Cooling Method Noise Emission [dB] Max. Operating Altitude [m] Deperating Temperature Range [°C] Humidity (No Condensation) [%]		DC: Type II 630*1 97 (Excel Floor- Transfi No 2 -24	,/AC: Type III .662*389 bt Batteries) Mounted bormerless stural 35 .0000 5 ~ 60 ~ 100			
PD SENERAL DATA Dimensions (WxHxD) [mm] Veight [kg] Installation Topology Cooling Method Hoise Emission [dB] Max. Operating Altitude [m] Operating Temperature Range [°C] Humidity (No Condensation) [%]		DC: Type II 630*1 97 (Excel Floor- Transfi No 2 -24	, /AC: Type III 662*389 ob Batteries) Mounted ormerless satural 35 0000 5 ~ 60			
PD SENERAL DATA Dimensions (WxHxD) [mm] Veight [kg] Installation Topology Cooling Method Hoise Emission [dB] Max. Operating Altitude [m] Operating Temperature Range [°C] Humidity (No Condensation) [%] Protection Degree		DC: Type II 630*1 97 (Exce Floor- Transfi N: 2 -2:	,/AC: Type III .662*389 bt Batteries) Mounted bormerless stural 35 .0000 5 ~ 60 ~ 100			
PD IENERAL DATA imensions (WxHxD) [mm] Veight [kg] installation opology ooling Method loise Emission [dB] Max. Operating Altitude [m] iperating Temperature Range [°C] lumidity (No Condensation) [%] rotection Degree tandby consumption[W]		DC: Type II 630*1 97 (Exce Floor- Transf: Na 2 -2:	, /AC: Type III .662*389 bt Batteries) Mounted bormerless stural 35 .0000 5 ~ 60 ~ 100 P65			
PD ENERAL DATA Dimensions (WxHxD) [mm] Veight [kg] Installation opology cooling Method loise Emission [dB] Max. Operating Altitude [m] Operating Temperature Range [°C] Itumidity (No Condensation) [%] rotection Degree tandby consumption[W] Monitoring Module		DC: Type II 630*1 97 (Exce Floor- Transf: Na 2 -2: 0: WiFi, LAN, 4G	A, /AC: Type III 662*389 of Batteries) Mounted ormerless stural 35 0000 5 ~ 60 ~ 100 P65 < 15 , GPRS (Optional)			
PD IENERAL DATA imensions (WxHxD) [mm] Veight [kg] installation opology ooling Method loise Emission [dB] Max. Operating Altitude [m] iperating Temperature Range [°C] iumidity (No Condensation) [%] rotection Degree tandby consumption[W] Monitoring Module ommunication		DC: Type II 630*1 97 (Excel Floor- Transf: Na 2 -2: 0: WiFi, LAN, 4G 2*RS485, DRM,	A, /AC: Type III 662*389 ot Batteries) Mounted ormerless stural 35 0000 5 ~ 60 ~ 100 P65 < 15 , GPRS (Optional) Ripple Control, USB			
ENERAL DATA imensions (WxHxD) [mm] /eight [kg] istallation opology ooling Method oise Emission [dB] //ax. Operating Altitude [m] perating Temperature Range [°C] umidity (No Condensation) [%] rotection Degree tandby consumption[W] fonitoring Module ommunication isplay		DC: Type II 630*1 97 (Excel Floor- Transf: Na 2 -2: 0: WiFi, LAN, 4G 2*RS485, DRM,	A, /AC: Type III 662*389 of Batteries) Mounted ormerless stural 35 0000 5 ~ 60 ~ 100 P65 < 15 , GPRS (Optional)			
ENERAL DATA imensions (WxHxD) [mm] Jeight [kg] Installation Installa		DC: Type II 630*1 97 (Excel Floor- Transfi Na 2 -2: 0: WiFi, LAN, 4G 2*RS485, DRM, LCD, Ap	AC: Type III 662*389 of Batteries) Mounted ormerless stural 35 0000 5 ~ 60 ~ 100 P65 < 15 , GPRS (Optional) Ripple Control, USB p, Website			
ENERAL DATA imensions (WxHxD) [mm] feight [kg] stallation opology poling Method oise Emission [dB] lax. Operating Altitude [m] perating Temperature Range [*C] umidity (No Condensation) [%] rotection Degree andby consumption[W] lonitoring Module pommunication isplay FANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST)		DC: Type II 630*1 97 (Excel Floor- Transfi Na 2 -2: 0: WiFi, LAN, 4G, 2*RS485, DRM, LCD, Ap	A, /AC: Type III .662*389 ot Batteries) Mounted ormerless stural 35 .0000 5 ~ 60 ~ 100 P65 < 15 , GPRS (Optional) Ripple Control, USB p, Website			
PD SENERAL DATA Dimensions (WxHxD) [mm] Veight [kg] Installation Sopology Sooling Method Hoise Emission [dB] Jax. Operating Altitude [m] Operating Temperature Range [*C]		DC: Type II 630*1 97 (Excel Floor- Transfi Na 2 -2: 0: WiFi, LAN, 4G, 2*RS485, DRM, LCD, Ap	AC: Type III 662*389 of Batteries) Mounted ormerless stural 35 0000 5 ~ 60 ~ 100 P65 < 15 , GPRS (Optional) Ripple Control, USB p, Website			

 $[\]ensuremath{^{*}}$ More technical characteristics are avaliable on demand and customized.