D A T A S H E E T Single-Phase Hybrid/AC Inverter H1-3.0 / 3.7 / 4.6 / 5.0 / 6.0-E-G2 AC1-3.0 / 3.7 / 4.6 / 5.0 / 6.0-E-G2



HYBRID/AC INVERTER

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

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



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



Remote Monitoring

Monitor your system remotely via smartphone app or web portal.



Easy Installation

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



High Voltage

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



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



BATTERY EXPANSION EASY UPGRADE



Expand your system easily by simply adding additional batteries. There are three battery size options, and Max. seven batteries can be installed in series, providing up to 33.24kWh of storage capacity.

For more about the Fox ESS range, visit:

WWW.FOX-ESS.COM



TECHNICAL SPECIFICATIONS

shadewideAddew	Model	H1-3.0-E-G2 AC1-3.0-E-G2	H1-3.7-E-G2 AC1-3.7-E-G2	H1-4.6-E-G2 AC1-4.6-E-G2	H1-5.0-E-G2 AC1-5.0-E-G2	H1-6.0-E-G2 AC1-6.0-E-G2	
chardvideA1908 2.370A1908 2.37	NPUT PV (ONLY FOR HYBRID)						
ak lipe 1 mon 1 mon 2	Max. Input Power [W]						
hein verbane hole in the set of		A:2250 B:2250	A:2750 B:2750		A:3750 B:3750	A:4500 B:4500	
nedingen verse many (a) set of the set of	Aax. Input Voltage [V]						
pin Query Qu							
ak oper end (mage) in the set of the set o							
he jook general for a second secon							
e. d n 2 more in the second	Aax. Short-circuit Current [A]						
<table-container>h. d non market in the second seco</table-container>							
this matrix (%)strokers(%)36 - 400strokers(%)36 - 400Strokers(%)360360Strokers(%)360400400Strokers(%)360400400Strokers(%)360400400400Strokers(%)360400400400Strokers(%)360400400400Strokers(%)360400400400Strokers(%)360400400400Strokers(%)360400400400Strokers(%)360400400400Strokers(%)360400500400Strokers(%)360400500400Strokers(%)360400500400Strokers(%)360400500400Strokers(%)360400500400Strokers(%)360400500400Strokers(%)360400500400Strokers(%)360400500400Strokers(%)360400500400Strokers(%)360400500400Strokers(%)360400500400Strokers(%)360400500400Strokers(%)360400500500Strokers(%)360400500500Strokers(%)360400500500Strokers(%)	No. of Strings per MPP Tracker			1			
<table-container><th colspace="" setur<="" td=""><td>BATTERY CONNECTION</td><td></td><td></td><td></td><td></td><td></td></th></table-container>	<td>BATTERY CONNECTION</td> <td></td> <td></td> <td></td> <td></td> <td></td>	BATTERY CONNECTION					
<table-container>a A generate and a second of a second o</table-container>	Battery Type			Lithium Battery (LFP)			
amunified and set of the set o	Battery Voltage [V]			80 ~ 480			
cherry for any set of the se	Nax. Charge/Discharge Current [A]						
six A log A corr (A) and A an	Communication Interface		CAN(con	nmunicate with inverter, upgra	ade BMS)		
hi. A. f. nor. Park left A. and A.		c000	7000	0000	10000	42000	
hed Okan Aver (M) in 000 in 0000 in 00000 in 0000 in 00000 in 0000 in 0000							
in Quigo can enclose of a set of a se							
heid 0 digor Current (orp phase) (A) 3.6 is (A 574) ² 0.5 is (A 50) is (A 50) 0.5 is (A 50) 0							
heid ong unerea (one phase) [k] (or a k1) is 0 is							
ia. Outgot Current [A] iso							
<table-container>ied infragency i 2 24/34/34 and a second second</table-container>	Aax. Output Current [A]						
<table-container>ted of drigumy (b) we Fator Star Data Display (b) Algoinable for Dis Baseing to Display (b) Star Data Data Data Data Data Data Data D</table-container>	ated Grid Voltage [V]						
dD [%]	ated Grid Frequency [Hz]						
<table-container>SQUEY_NYME NATER*SOURDSOURSOURDS</table-container>	ower Factor						
<table-container>ix 0.org Appanet Power (bi) (b) 300 980 400 500 000 700 700 700 700 700 700 700 7</table-container>	HDi [%]						
<table-container>ak dury thy apprent Power (00) [VA] 360 440 550 00 7200 ax. Current (0cp phase) [A] 360 16 203 227 273 been constrained on the second of the</table-container>	PS OUTPUT (WITH BATTERY)						
<table-container>in de gener pense A in a gener pense A in a</table-container>	Nax. Output Apparent Power [VA]	3000	3680	4600	5000	6000	
<table-container>hted 'up 'variage [Va</table-container>	eak Output Apparent Power (60s) [VA]						
<table-container>the depart of the set of the s</table-container>	lax. Current (per phase) [A]	13.6	16.7		22.7	27.3	
<table-container>1 (Adjustable from 0.8 leaging to 0.8 lagging)Up: (linear Load) [%]<</table-container>							
<table-container>diversionC2 @state powertrailed coperation (PCS)0.0victo thin (end)0.00FREMO</table-container>							
namble operation (PCS) 0 vitch time (ms)			I (Auju:		lagging)		
vith time (m) <20							
Endemotion 95.26 95.70 96.23 96.30 96.33 ax. Efficiency (FV to BAT) (@fullload) [%] 97.08 97.04 97.08 97.04 97.08 97.08 97.08 97.04 97.08 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
<table-container>me findency [k] 95.26 95.70 96.23 96.30 96.30 96.33 ax. Efficiency [k] 97.01 97.08 97.04 97.08 97.04 97.08 97.08 37.08 ax. Battery Charge Efficiency [kV to BAT) (@full load) [%] 97.08 ax. Battery Discharge Efficiency [KV to BAT) (@full load) [%] 97.08 ax. Battery Discharge Efficiency [KV to BAT) (@full load) [%] 97.08 ax. Battery Discharge Efficiency [KV to BAT) (@full load) [%] 97.08 ax. Battery Discharge Efficiency [KV to BAT) (@full load) [%] 97.08 ax. Battery Discharge Efficiency [KV to BAT) (@full load) [%] 97.08 ax. Battery Discharge Efficiency [KV to BAT) (@full load) [%] 97.08 ax. Battery Discharge Efficiency [KV to BAT) (@full load) [%] 97.08 ax. Battery Discharge Efficiency [KV to BAT) (@full load) [%] 97.08 ax. Battery Discharge Efficiency [KV to BAT) (@full load) [%] 97.08 ax. Battery Discharge Efficiency [KV to BAT) (@full load) [%] 97.08 ax. Battery Discharge Efficiency [KV to BAT] 97.07 Ceveure Protection Vertection Vertection</table-container>				120			
ax. Efficiency [%] 97.01 97.08 97.04 97.08 97.04 97.08 97.04 97.08 97.0		05.26	05.70	06.33	06.30	06.22	
ax. Battery Charge Efficiency (PV to BAT) (@fullload) (%]98.50ax. Battery Discharge Efficiency (RAT to AC) (@fullload) (%]97.00battery Discharge Efficiency (RAT to AC) (@fullload) (%]97.00sulation MonitoringYESsulation MonitoringYESceleures AD (and the Protection)YESCeleures AD (and the Protection)YESCisceres AD (and the Protection)YESSite AD (and the Protecti							
iax. Battery Discharge Efficiency (BAT to AC) (@full load) (%] SP2COV SOFECOV SUBCION SUBCION (%) Sublation Monitoring Sublation Monitoring Sublation Monitoring Sterver Polarity Protection Sterver Polarity Protection Stort-circuit Protection Stor		57.01	57.00		57.08	57.00	
NOTECTION sultation Monitoring YES suidual Current Monitoring YES suidual Current Monitoring YES suidual Current Monitoring YES Scheurse Polarity Protection YES C Short-circuit Protection YES C Short-circuit Protection YES C Short-circuit Protection YES C Switch YES C Switch YES C Switch YES C Switch YES Po Optional FCI Optional FCI Optional FMEMONITORY Qual Switch YBD (mm) 434*418*185 Switch YBD (mm) 434*418*185 Switch YBD (mm) A34*418*185 Switch YBD (mm) 35 Switch YBD (mm) 35 Switch YBD (mm) 35 Switch YBD (mm) 415 Switch YBD (mm) 415 Switch YBD (mm) 35 Switch YBD (mm) 415 Switch YBD (mm)	Nax. Battery Discharge Efficiency (BAT to AC) (@full load) [%]						
sulation Monitoring YES esidual Current Monitoring YES Cheverse Polarity Protection YES Cheverse Polarity Protection YES Covercurrent/Overvoltage Protection YES Covercurrent Set Set Set Set Set Set Set Set Set Set	ROTECTION						
C Reverse Polarity ProtectionYESC Short-circult ProtectionYESC Short-circult ProtectionYESC Sort-circult ProtectionYESC SwitchYESC SwitchYESC SutchOC Type II, /AC: Type IIIC SutchOptionalC SwitchYESC SwitchOptionalC SwitchOptionalC SwitchOptionalC SwitchOptionalC SwitchOptionalC SwitchOptionalC SwitchOptionalC SwitchOptionalC SwitchSinger ScienceC SwitchSin	nsulation Monitoring			YES			
YES Short-circuit Protection YES C Overcurrent/Overvoltage Protection YES C Overcurrent/Overvoltage Protection YES Statery Wack-up Function YES Statery Wack-up Function YES vp DC: Type II, /AC: Type III FCI Optional KENAL DAT Optional Watk-up Function 434*418*185 Statery Wack-up Function 5 Statery Wack-up Function 5 Statery Wack-up Function 434*418*185 Statery Wack-up Function 434*418*185 Statery Wack-up Function 35 Statery Wack-up Function 5 Statery Wack-up Function 415 Statery Wac	esidual Current Monitoring			YES			
C Short-dircul Protection YES COvercurrent/Overvoltage Protection YES CS witch YBACk-Up Function YES CS witch DEC Type II, AC: Type III CD Optional CDC Type II, AC: Type III CD Optional CNEAD CONTROM CONTRO	C Reverse Polarity Protection			YES			
C Overcurrent/Overvoltage Protection YES C Switch YES tattery Wack-up Function YES vp OC: Type II, /AC: Type III CQ Optional ENERAL DATA 22 teight [kg] 22 staliation Wall-Mounted optog Non-isolated pology Non-isolated staliation 35 as. Operating Altitude [m] 2000 perating Temperature Range [°C] -25 ~ 60 umidity (No Condensation) [%] 0 ° 1100 gress protection IP65 ontoring Module ViFi, LAN(Optional), 4G(Optional) stipaly LCD, Appy Meshite stipaly LCD, Appy Meshite stipaly LCD, Appy Meshite stipaly LCD, Appy Meshite stipaly EN 62109-1, EN 62109-2	nti-islanding Protection			YES			
Switch YES tattery Wack-up Function YES tabb DC: Type II, AC: Type III FCI Optional FCI Optional KENALDATA 2 Imensions (W*H*D) [mm] 434*418*185 teight [kg] 22 stallation Wall-Mounted oppology Non-isolated obing Method Natural obing Method 35 ax. Operating Altitude [m] 225 * 60 umidity (No Condensation) [%] 0 ~ 100 umidity (No Condensation) [%] 0 ~ 2000 gress protection IPES andby consumption [%] < 15	C Short-circuit Protection						
stery Wack-up FunctionYESPDDC: Type II, /AC: Type IIFQOptionalEXEAL DATAmensions (W*H*D) [mm]434*418*185iegisht [kg]22stallationWall-MountedopologyNon-isolatedobige Method35ax. Operating Altitude [m]2000perating Regregregregregregregregregregregregregre	C Overcurrent/Overvoltage Protection						
DC: Type II, /AC: Type II FCI Optional FCI Optional FCI Optional ENERAL DATA 434*48*185 Imension (W*H*D) [m] 434*48*185 regist (kg) 22 stallation Wall-Mounted opology Non-isolated obig Method Natural obig Method 35 ax. Operating Altitude [m] 2000 perating Remperature Range [°C] 25 ~ 60 umidity (No Condensation) [%] 0 ~ 100 gress protection IP65 andby consumption [W] <15	C Switch						
FCIOptionalENERAL DATAImmensions (W*H*D) [mm]434*418*185teight [kg]2stallationWall-MountedoppolgyNon-isolatedopolgyNon-isolatedobling Method35tax. Operating Altitude [m]2000perating Temperature Range [*C]-25 ~ 60umidity (No Condensation) [%]0 ~ 100gress protectionIP65ontoring ModuleViFi, LAN(Optional) , 4G(Optional)ontoring ModuleK485, DRAR, Ripple Control, USB, CANoptionyEX485, DRAR, Ripple Control, USB, CANtay DataLCD, App. WebsitetaxDACT COMPLIANCE (MORE AVAILLABLE LUPON REQUEST)EN 62109-1, EN 62109-2	attery Wack-up Function						
ENERAL DATA imensions (W*H*D) [mm] 434*418*185 leight [kg] 22 stallation Wall-Mounted oppology Non-isolated oppology Non-isolated oppology Natural obies Emission [dB] 35 lax. Operating Altitude [m] -25 ~ 60 umidity (No Condensation) [%] 0 ~ 100 gress protection PP65 andy consumption [W] < 15	PD						
mensions (W*H*D) [mm]434*418*185feight [kg]22stallationWall-MountedpologyNon-isolatedpologyNon-isolatedpologit MethodNaturalpologit Emission [dB]35(ax. Operating Altitude [m]-25 ~ 60umidity (No Condensation) [%]0~ 100gress protectionIP65andby consumption[V]<15				Optional			
reight [kg]22stallationWall-MountedpologyNon-isolatedpologyNaturalobig MethodNaturalobig Emission [dB]35lax. Operating Altitude [m]2000perating Temperature Range [*C]-25 ~ 60umidity (No Condensation) [%]0 ~ 100gress protectionIP65andby consumption[W]<15				12/*/10*10			
stallation Wall-Mounted pology Non-isolated Natural oise Emission [dB] 35 lax. Operating Altitude [m] 2000 perating Temperature Range [°C] 2000 perating Temper							
ppologyNon-isolatedpologyNaturalpology35bax. Operating Altitude [m]2000perating Temperature Range [°C]-25 ~ 60umidity (No Condensation) [%]0 ~ 100gress protectionIP65andby consumption[W]< 15							
boling Method Natural obies Emission [dB] 35 ax. Operating Altitude [m] 2000 perating Temperature Range [°C] 25° 60 umidity (No Condensation] (%] 0° 100 gress protection IP65 andby consumption[W] <15 tonitoring Module ViFi, LAN(Optional), 4G(Optional) ommunication RS485, DRM, Ripple Control, USB, CAN isplay LCD, App, Website TANDART COMPLIANCE (MORE AVAILABLE UPON REQUEST) fety EN 62109-1, EN 62109-2							
bise Emission [dB] 35 Ax. Operating Altitude [m] 2000 perating Temperature Range [°C] -25 ~ 60 umidity (No Condensation) [%] 0 ~ 100 gress protection IP65 andby consumption[W] <15 tonitoring Module ViFi, LAN(Optional) , 4G(Optional) ommunication RS485, DRM, Ripple Control, USB, CAN isplay LCD, App, Website TANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST) fety EN 62109-1, EN 62109-2							
Ax. Operating Altitude [m] 2000 perating Temperature Range [°C] -25 ~ 60 umidity (No Condensation) [%] 0 ~ 100 gress protection IP65 andby consumption[W] <15							
perating Temperature Range [°C] -25 ~ 60 umidity (No Condensation) [%] 0 ~ 100 gress protection IP65 andby consumption[W] <15	lax. Operating Altitude [m]						
umidity (No Condensation) [%] 0 ~ 100 gress protection IP65 andby consumption[W] < 15	perating Temperature Range [°C]						
gress protection IP65 andby consumption[W] <15	umidity (No Condensation) [%]						
And y consumption[W] <15	ngress protection						
Initial initi	tandby consumption[W]						
Isplay LCD, App, Website CANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST) Ifety EN 62109-1, EN 62109-2	Ionitoring Module		W		al)		
IANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST) Ifety EN 62109-1, EN 62109-2	Communication						
fety EN 62109-1, EN 62109-2	lisplay			LCD, App, Website			
	TANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST)						
rid Regulation AS / NZS 4777.2	ifety			EN 62109-1, EN 62109-2			
	rid Regulation			AS / NZS 4777.2			

* More technical characteristics are available on demand and customized.

1 × 3680 for G98. 2 × 4600 for German and Belgium. 3 × 5000 for Australia and Belgium.