



up to

H1(G2)/AC1(G2)

SINGLE-PHASE HYBRID/AC INVERTER





HIGH VOLTAGE

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



FASY INSTALLATION

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



IP65 RATED

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



REMOTE MONITORING

Monitor your system remotely via smartphone app or web portal.



Advanced System Monitoring with FoxCloud V2.0

REFINED - POWERFUL - FLEXIBLE

Harness the power of the sun day and night with the ground-breaking range of Hybrid & AC inverter from Fox ESS. Full of advanced features and compatible with our very own range of high-voltage batteries, the hybrid range from Fox ESS.















TECHNICAL SPECIFICATIONS

Man 1904 1904 1905 1906 1	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
See Specified 1968	NPUT PV (ONLY FOR HYBRID)					
Accordance of March 1997 Accordance of March 1			7400			12000
Set Separation 1968 1968 1969	flax. Input Power [W]					9000 A:4500 B:4500
State Part Note Part Not	Max. Input Voltage [V]			600		
### OPPORT (MITS) 1975 19	start-up Input Voltage [V]			75		
Max. Post Control [1] 16.7 16.9 16.9 17.9 18.0	Rated Input Voltage [V]			360		
Man Selection Control [A] 20 70 70 70 70 70 70 70	MPPT Operating Voltage Range [V]			80 ~ 550		
10 MINOR POSICIONES 1 1 1 1 1 1 1 1 1	Лах. Input Current [A]			16 / 16		
Internation Control Process	Max. Short-circuit Current [A]			20 / 20		
Martiery (Dev 1881	lo. of MPP Trackers			2		
Section Sect	trings per MPP Tracker			1		
Section Sect	ATTERY CONNECTION					
About Abou	Battery Type			Lithium Battery (LFP)		
Communicate with inventor, yegande BMS	attery Voltage [V]			80 ~ 480		
Communication Communicatio	Лах. Charge/Discharge Current [A]	40				
See A. Front prover [Va]			CAN(com	municate with inverter, upgra	ade BMS)	
Alsa. A. Clange Current (per phase) 2	AC INPUT AND OUTPUT (GRID)					
Amount A		6000	7680	9200	10000	12000
### A PRINCE FOR TOWN TO A STORE OF THE PRINCE FOR TOWN TOWN TOWN TOWN TOWN TOWN TOWN TOWN						54.5
Mach Deligned Apparent Power [Va] 330 0408 5000 5500 6500	ated Output Power [W]	3000	3680	4600	5000	6000
1446 Oligin Current (per phase) [A)(For ALS) 13.0 16.0 20.0 21.7 26.1						6000
Ans. Output Current A	Лах. Output Apparent Power [VA]	3300	4048	5060	5500	6600
Marie Griff (Feynery (Fe) 1,04] 1,04] 1,05		13.0	16.0	20.0	21.7	26.1
Subset of Programmy [Hz]	Лах. Output Current [A]	15.0	18.4	23.0	25.0	30.0
Table Tabl	Rated Grid Voltage [V]			220/230/240		
## SOUTHOUT WILL MATTERY) ### COUTHOU Apparent Power [VA] 3000 3880 4600 5000 6000 6000 6000 6000 6000 600	Rated Grid Frequency [Hz]			50/60		
PROJUCT WITH BATTERY			1 (Adju	stable from 0.8 leading to 0.8	lagging)	
Mase Output Apparent Power (PA)	HDi [%]			<3 @rated power		
Sealed Light Proper	PS OUTPUT (WITH BATTERY)					
New Out of Apparent Power (60s) [VA] 3600 4400 5500 6000 720	Max. Output Apparent Power [VA]	3000	3680	4600	5000	6000
Max. Current (per phase) A 13.6	ated Output Power [W]	3000	3680	4600	5000	6000
March Column Vorlange [V]	eak Output Apparent Power (60s) [VA]	3600	4400	5500	6000	7200
Soliding	Лах. Current (per phase) [A]	13.6	16.7	20.9	22.7	27.3
The Factor 1 (Adjustable from 0.8 leading to 0.8 legging) 1				220/230/240		
Name	Rated Output Frequency [Hz]			50/60		
Parallel Operation PCS 10 10 10 10 10 10 10			1 (Adju	stable from 0.8 leading to 0.8	lagging)	
Parallel (proposition PCS) 100	HDv (linear Load) [%]	<2 @rated power				
Settle Horison 19				10		
Seturopean Efficiency (%)						
Max. Efficiency [%] 97.01 97.08 97.04 97.08 97.00 Max. Battery Charge Efficiency (PV to BAT) @full load [%] 95.00 97.00 97.00 ROTECTION Residual Current Monitoring YES 95.00	FFICIENCY					
Abas. Battery Change Efficiency (PV to BAT) @full load [%] 98.50 Abas. Battery Discharge Efficiency (BAT to AC) @full load [%] 98.50 PORTOCTION YES Insulation Monitoring YES Insulation Monitoring YES Note-insulation Monitoring Note-insulation Monitoring Note-insulation Monitoring Yes Note-insulation Monitoring Yes Note-insulation Monitor	European Efficiency [%]	95.26	95.70	96.23	96.30	96.33
Max. Battery Discharge Efficiency (BAT to AC) @full load (%) 97.00 PROTECTION Residual Current Monitoring YES DC Reverse Polarity Protection YES AC Short-circuit Protection Active Frequency Drift with Positive Feedback AC Short-circuit Protection YES AC Overcurent/Overvoltage Protection YES AC Overcurent/Overvoltage Protection YES Developing Category IIII/AC, III/CC ACT Overcurent/Overvoltage Category IIIII/AC, III/CC ACT Overcurent/Overvoltage Category IIII/AC, III/CC Dimensions (W*H**D) [mm] 434*418*185 Meight [kg] 2 Objective Meight [kg] 2 Vollegit [kg] 35 Move Special Activated [mm] 35 Max. Operating Altitude [mm] 200 Operating Temperature Range [**C] 25 ° 60	vlax. Efficiency [%]	97.01	97.08	97.04	97.08	97.08
PROTECTION PKES P	Лах. Battery Charge Efficiency (PV to BAT) @full load [%]			98.50		
Insulation Monitoring YES Residual Current Monitoring YES Co Reverse Polarity Protection YES Anti-slanding Protection Active Frequency Drift with Positive Feedback NC Short-circuit Protection YES Co Overcurrent/Overotoge Protection YES AC Switch YES Satery Wake-up Function YES Overvolage Category IllACI, IllCO Select ALD ATA PUSA Sill Satery Wake-up Function 34*418*185 Select ALD ATA PUSA Sill Satery Wake-up Function 434*418*185 Select ALD ATA PUSA Sill Satery Wake-up Function 434*418*185 Select ALD ATA PUSA Sill Satery Wake-up Function Mall Mounted Sill Satery Wake-up Function Wall-Mounted Cooling Method Non-isolated Voice Emission [48] 35 Max. Operating Altitude [m] 2000 Operating Temperature Range [*C] 25 Very Commonication PUSA Very Commonication RS485, DRM, Ripple Control	Max. Battery Discharge Efficiency (BAT to AC) @full load [%]			97.00		
YES	ROTECTION					
cistilal Current Monitoring YES C Reverse Polarity Protection YES mini-sianding Protection YES C Switch YES C Overcurrent/Overvoltage Protection YES C Switch YES C William Switch Frequency Protection YES Very Switch Natural Very Switch Natural Very Switch YES Very Switch YES Very Switch Natural Very Switch YES	nsulation Monitoring			YES		
Cc Reverse Polarity Protection YES Inti-Islanding Protection Active Frequency Drift with Positive Feedback Cc Short-circuit Protection YES CC Overcurrent/Overvoltage Protection YES CC Switch YES Use Substance Wake-up Function YES Use Control				YES		
Active Frequency Drift with Positive Feedback AC Short-circuit Protection AC Short-circuit Protection AC Short-circuit Protection AC Switch AC Swi						
CC Short-circuit Protection YES CC Westerh YES CC Switch YES watery Wake-up Function YES where you get Category IIII(AC), II(DC) MECHAL DATA Optional Weight [kg] 343*418*185 wisternsions (W*H*D) [mm] 434*418*185 wisternsions (W*H*D) [mm] 72 wisternsions (W*H*D) [mm] Non-isolated wisternsions (W*H*D) [mm] 35 wisternsions (W*H*D) [mm] 35 wisternsion (W*H*D) [mm] 2000 wisternsion (W*H*D) [mm] 2000 wisternsion (W*H*D) [mm] 95	•		Active F		eedback	
Covercurrent/Overvoltage Protection YES Cox Switch YES Descriptions YES Sattery Wake-up Function YES Optional Provious Provious Protection Optional Provious						
CC Switch YES Lattery Wake-up Function YES Deervoltage Category IIII (AC), III (DC) VECL Optional SEMERAL DATA Ask *418*185 Weight [kg] 22 Installation Wall-Mounted Vooling Method Non-isolated Vooling Method Natural Vooles Emission [dB] 35 Vax. Operating Altitude [m] 2000 Uperating Temperature Range [*C] -25 ° 60 Humidity (No Condensation) [%] 0 ~ 100 Ingress Protection 1P65 Atanaby Consumption[W] <15 Vooling Module WiFi, LAN(optional), 4G(optional) Vooling Module WiFi, LAN(optional), 4G(optional) Vooling Module RS485, DRM, Ripple Control, USB, CAN Vooling Module RS485, DRM, Ripple Control, USB, CAN Vooling Module LCD, App, Website Vooling Module EN 62109-1, EN 62109-2						
YES						
Vervoltage Category IIII(AC), III(DC)						
AFCI Optional SERERAL DATA Veight [kg] 434*418*185 Veight [kg] 22 vistaliation Wall-Mounted vooling Method Natural vooling Method Natural vistal premerature Range [*C] 35 vistal premerature Range [*C] 250° 60 vindidity (No Condensation) [%] 0° 100 varietions protection 1P65 standby Consumption[W] <15 vonitoring Module WiFi, LAN(optional) , 4G(optional) vonitoring Module S4845, DRM, Ripple Control, USB, CAN visiplay LCD, App, Website vontry of Manufacture China TANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST) EN 62109-1, EN 62109-2						
EMERAL DATA Dimensions (W*H*D) [mm] 434*418*185 Veight [kg] 22 stallation Wall-Mounted opology Non-isolated vooling Method Natural loise Emission [dB] 35 Aax. Operating Altitude [m] 2000 Operating Temperature Range [°C] -25 ~ 60 tumidity (No Condensation) [%] 0 ~ 100 agress Protection IP65 tandby Consumption[W] < 15						
simensions (W*H*D) [mm] 434*418*185 veight [kg] 22 installation Wall-Mounted opology Non-isolated iooling Method Natural loise Emission [dB] 35 vax. Operating Altitude [m] 2000 operating Temperature Range [*C] -25 ~ 60 fumidity (No Condensation) [%] 0 ~ 100 transpers Protection IP65 transpers Protection 1P65 transpers Protection < 15				500000		
veight [kg] 22 installation Wall-Mounted opology Non-isolated ooling Method Natural loise Emission [dB] 35 vax. Operating Altitude [m] 2000 operating Temperature Range [*C] -25 ~ 60 tumidity (No Condensation) [%] 0 ~ 100 loges Protection IP65 standby Consumption[W] < 15				434*418*185		
Installation Wall-Mounted Installation Non-isolated Installation Non-isol						
coplogy Non-isolated cooling Method Natural close Emission [dB] 35 clast. Operating Altitude [m] 2000 clast. Operating Temperature Range [°C] -25 ~ 60 clast. Operating Temperature Range [°C] 0 ~ 100 clast. Operating Medice IP65 clast. Operating Module ViFi, LAN(optional), 4G(optional) communication RS485, DRM, Ripple Control, USB, CAN closplay LCD, App, Website country Of Manufacture China CTANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST) EN 62109-1, EN 62109-2						
ioling Method Natural loise Emission [dB] 35 loax. Operating Altitude [m] 2000 logerating Temperature Range [°C] -25 ~60 lounidity (No Condensation) [%] 0~100 logess Protection IP65 landby Consumption[W] <15 londitoring Module WiFi, LAN(optional) , 4G(optional) lommunication RS485, DRM, Ripple Control, USB, CAN lisplay LCD, App, Website ountry Of Manufacture Condensation (
loise Emission [dB] 35 Aux. Operating Alltitude [m] 2000 Aux. Operating Temperature Range [°C] -25 ~60 Aumidity (No Condensation) [%] 0 ~ 100 Augress Protection IP65 Atandby Consumption[W] <15 Aumidity in Module Wiff, LAN(optional) , 4G(optional) Aumidity in Module Wiff, LAN(optional) , 4G(optional) Aumidity in Module RS485, DRM, Ripple Control, USB, CAN Ausiplay LCD, App, Website Autourty Of Manufacture China TANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST) afety EN 62109-1, EN 62109-2						
Asx. Operating Altitude [m] 2000 Apperating Temperature Range [°C] -25 ~60 Aumidity (No Condensation) [%] 0~100 Agress Protection IP65 Atandby Consumption[W] <15 Atonitoring Module WiFi, LAN(optional) , 4G(optional) Ammunication RS485, DRM, Ripple Control, USB, CAN Aisplay LCD, App, Website Ountry Of Manufacture China TANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST) afety EN 62109-1, EN 62109-2						
perating Temperature Range [°C] -25 ~ 60 lumidity (No Condensation) [%] 0 ~ 100 lumidity (No Condensation) [%] 1P65 landby Consumption[W] <15 Aonitoring Module WiFi, LAN(optional) , 4G(optional) (formunication RS485, DRM, Ripple Control, USB, CAN (lisplay LCD, App, Website (fountry Of Manufacture China TANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST) afety EN 62109-1, EN 62109-2						
TANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST) unidity (No Condensation) [%] 0 ~ 100 1P65						
IP65 tandby Consumption[W] <15 Monitoring Module WiFi, LAN(optional), 4G(optional) ommunication RS485, DRM, Ripple Control, USB, CAN lisplay LCD, App, Website ountry Of Manufacture China TANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST) afety EN 62109-1, EN 62109-2						
tandby Consumption[W] <15 Monitoring Module WiFi, LAN(optional), 4G(optional) ommunication RS485, DRM, Ripple Control, USB, CAN display LCD, App, Website ountry Of Manufacture China TANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST) afety EN 62109-1, EN 62109-2						
Monitoring Module WiFi, LAN(optional) , 4G(optional) , 4G(optional						
ommunication RS485, DRM, Ripple Control, USB, CAN bisplay LCD, App, Website country Of Manufacture China TANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST) afety EN 62109-1, EN 62109-2						
Display LCD, App, Website Country Of Manufacture China TANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST) afety EN 62109-1, EN 62109-2	-					
Country Of Manufacture China ATANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST) Eafety EN 62109-1, EN 62109-2	ommunication		RS48	35, DRM, Ripple Control, USB,	CAN	
TANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST) afety EN 62109-1, EN 62109-2	isplay			LCD, App, Website		
afety EN 62109-1, EN 62109-2	ountry Of Manufacture			China		
	TANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST)					
				FN 62400 4 FN 62400 2		
MC EN 61000-6-2, EN 61000-6-3	afety			EN 62109-1, EN 62109-2		

^{*} More technical characteristics are available on demand and customized.