



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

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
NPUT PV (ONLY FOR HYBRID)					
Max. Array Power [Wp]	6000	7400	9200	10000	12000
Max. DC Input Power (PVI+PV2) [W]	6000	7400	9200	10000	12000
Max. MPPT Input Power (Per MPPT) [W]			6000		
Max. Input Voltage [V]			600		
start-up Input Voltage [V]			75		
ated Input Voltage [V]			360		
MPPT Operating Voltage Range [V]			80 ~ 550		
ner Toperating Voltage Runge (V)  Max. Input Current [A]			16/16		
			20/20		
Max. Short-circuit Current [A] Io. of MPP Trackers			20/20		
trings per MPP Tracker			1		
<u> </u>			l		
ATTERY CONNECTION			(111)		
attery Type			Lithium Battery (LFP)		
rattery Voltage [V]	80 ~ 480				
Max. Charge/Discharge Current [A]	40				
Communication Interface		CAN(cor	nmunicate with inverter, upgro	ade BMS)	
C INPUT AND OUTPUT (GRID)					
lax. AC Input Power [VA]	6000	7680	9200	10000	12000
Max. AC Input Current (per phase) [A]	27.3	34.9	41.8	45.5	54.5
ated Output Power [W]	3000	3680	4600	5000	6000
Max. Output Apparent Power [VA]	3300	4048/36801	5060	5500	6600
tated Output Current (per phase) [A]	13.6	16.7/16.0 <sup>1</sup>	20.9	22.7	27.3
Rated Output Current (per phase) [A](For AUS)	13.0	16.0	20.0	21.7	26.1
Max. Output Current [A]	15.0	18.4	23.0	25.0	30.0
ated Grid Voltage [V]			220/230/240		
ated Grid Frequency [Hz]			50/60		
ower Factor	1 ( Adjustable from 0.8 leading to 0.8 lagging )				
HDi [%]	( Adjustable from U.8 leading to U.8 lagging )  <3 @rated power				
PS OUTPUT (WITH BATTERY)			vs (grated power		
lax. Output Apparent Power [VA]	3000	3680	4600	5000	6000
eak Output Apparent Power (60s) [VA]	3600	4400	5500	6000	7200
			20.9		
lax. Current (per phase) [A]	13.6	16.7		22.7	27.3
ated Output Voltage [V]			220/230/240		
ated Output Frequency [Hz]		,	50/60		
ower Factor		1 ( Adjus	table from 0.8 leading to 0.8 lo	agging )	
HDv (Linear Load) [%]			<2 @rated power		
arallel operation [PCS]			10		
witch time [ms]			<10		
FFICIENCY					
uropean Efficiency [%]	95.26	95.70	96.23	96.30	96.33
Max. Efficiency [%]	97.01	97.08	97.04	97.08	97.08
Max. Battery Charge Efficiency (PV to BAT) (@full load) [%]			98.50		
Max. Battery Discharge Efficiency (BAT to AC) (@full load) [%]			97.00		
ROTECTION					
nsulation Monitoring			YES		
esidual Current Monitoring			YES		
DC Reverse Polarity Protection			YES		
Inti-islanding Protection			YES		
C Short-circuit Protection			YES		
			YES		
C Overcurrent/Overvoltage Protection			YES		
-			153		
C Switch			VEO		
oC Switch rattery Wake-up Function			YES		
DC Switch attery Wake-up Function PD			DC: Type II /AC: Type III		
DC Switch lattery Wake-up Function IPD					
C Switch attery Wake-up Function PD FCI ENERAL DATA			DC: Type II /AC: Type III Optional		
C Switch attery Wake-up Function PD FCI ENERAL DATA imensions (W*H*D) [mm]			DC: Type II /AC: Type III Optional 434*418*185		
C Switch attery Wake-up Function PD FCI ENERAL DATA imensions (W*H*D) [mm]			DC: Type II /AC: Type III Optional		
C Switch attery Wake-up Function PD FCI ENERAL DATA imensions (W*H*D) [mm]			DC: Type II /AC: Type III Optional 434*418*185		
CC Switch cattery Wake-up Function PD FCI SENERAL DATA Simensions (W*H*D) [mm] Veight [kg] stallation			DC: Type II /AC: Type III Optional 434*418*185		
C Switch attery Wake-up Function PD FCI SENERAL DATA Simensions (W*H*D) [mm] Veight [kg] stallation opology			DC: Type II /AC: Type III Optional 434*418*185 22 Wall-Mounted		
CC Switch attery Wake-up Function PD FCI SENERAL DATA Simensions (W*H*D) [mm] Veight [kg] stallation opology cooling Method			DC: Type II /AC: Type III Optional  434*418*185 22 Wall-Mounted Non-isolated		
CC Switch Sattery Wake-up Function SPD SECION SERVICE			DC: Type II /AC: Type III Optional  434*418*185 22 Wall-Mounted Non-isolated Natural		
CC Switch Sattery Wake-up Function SPD SECION SERVICE			DC: Type II /AC: Type III Optional  434*418*185 22 Wall-Mounted Non-isolated Natural 35 2000		
CC Switch Cattery Wake-up Function CPD  AFCI SENERAL DATA Dimensions (W*H*D) [mm] Veight [kg] Installation Opology Cooling Method Loise Emission [dB] Max. Operating Altitude [m] Operating Temperature Range [°C]			DC: Type II /AC: Type III Optional  434*418*185 22 Wall-Mounted Non-isolated Natural 35 2000 -25 ~ 60		
CC Switch Sattery Wake-up Function SPD SECION SECIO			DC: Type II /AC: Type III Optional  434*418*185 22 Wall-Mounted Non-isolated Natural 35 2000 -25 ~ 60 0 ~ 100		
CC Switch Cattery Wake-up Function CPD CFCI CENERAL DATA Dimensions (W*H*D) [mm] Veight [kg] Installation Copology Cooling Method Coise Emission [dB] CACA. Operating Altitude [m] Coperating Temperature Range [°C ] Condensation) [%] Congress protection			DC: Type II /AC: Type III Optional  434*418*185 22 Wall-Mounted Non-isolated Natural 35 2000 -25 ~ 60 0 ~ 100 IP65		
CC Switch actery Wake-up Function PD FCI FCI SENERAL DATA Dimensions (W*H*D) [mm] Veight [kg] Installation opology cooling Method loise Emission [dB] Max. Operating Altitude [m] Operating Temperature Range [°C ] Itumidity (No Condensation) [%] Ingress protection tandby consumption[W]			DC: Type II /AC: Type III Optional  434*418*185 22 Wall-Mounted Non-isolated Natural 35 2000 -25 - 60 0 - 100 IP65		
AC Overcurrent/Overvoltage Protection  CO Switch  Battery Wake-up Function  BPD  AFCI  SERIERAL DATA  Dimensions (W*H*D) [mm]  Weight [kg]  Installation  Topology  Cooling Method  Noise Emission [dB]  Max. Operating Altitude [m]  Deperating Temperature Range [°C ]  Humidity (No Condensation) [%]  Ingress protection  Standby consumption[W]  Monitoring Module			DC: Type II /AC: Type III Optional  434*418*185 22 Wall-Mounted Non-isolated Natural 35 2000 -25 ~ 60 0 ~ 100 IP65 <15		
CC Switch Cattery Wake-up Function CPD CFCI CENERAL DATA Comensions (W*H*D) [mm] Veight [kg] Installation Opology Cooling Method Loise Emission [dB] CACK. Operating Altitude [m] Coperating Temperature Range [°C ] Comidity (No Condensation) [%] Ingress protection Catandby consumption[W]			DC: Type II /AC: Type III Optional  434*418*185 22 Wall-Mounted Non-isolated Natural 35 2000 -25 - 60 0 - 100 IP65 <15 IFI, LAN(Optional) , 4G(Optional		
act Switch cattery Wake-up Function PD FCI FCI FENERAL DATA  Dimensions (W*H*D) [mm] Veight [kg] Installation Opology Cooling Method Loise Emission [dB] Atax. Operating Altitude [m] Operating Temperature Range [°C] Itumidity (No Condensation) [%] Ingress protection Itandby consumption[W] Monitoring Module Communication			DC: Type II /AC: Type III Optional  434*418*185 22 Wall-Mounted Non-isolated Natural 35 2000 -25 ~ 60 0 ~ 100 IP65 <15		
C Switch attery Wake-up Function PD FCI FCI FENERAL DATA  weight [kg] stallation opology coling Method loise Emission [dB] fax. Operating Altitude [m] opperating Temperature Range [°C] umidity (No Condensation) [%] figress protection tandby consumption[W] fonitoring Module formmunication iisplay			DC: Type II /AC: Type III Optional  434*418*185 22 Wall-Mounted Non-isolated Natural 35 2000 -25 - 60 0 - 100 IP65 <15 IFI, LAN(Optional) , 4G(Optional		
CC Switch Cattery Wake-up Function CPD CFCI CENERAL DATA Comensions (W*H*D) [mm] Veight [kg] Installation Cooling Method Loise Emission [dB] Cooling Method Loise Emission [dB] Coperating Altitude [m] Coperating Temperature Range [°C ] Could (No Condensation) [%] Congress protection Catandby consumption[W] Contioring Module			DC: Type II /AC: Type III Optional  434*418*185 22 Wall-Mounted Non-isolated Natural 35 2000 -25 - 60 0 - 100 IP65 <15 IFI, LAN(Optional) , 4G(Optional		

<sup>\*</sup> More technical characteristics are available on demand and customized.

<sup>1. 3680</sup> for G98.