

REGEN
RENEWABLES



FOX
ESS



In partnership with Regen Renewables - Powering a Greener Future

Fox KH/KA

Harness the power of the sun - day and night - with the innovative Fox ESS KH/KA Single Phase Inverter range. Packed with advanced features and fully compatible with high voltage battery systems, these hybrid and AC inverters represent a new class of smart, efficient energy solutions.



- Easy Installation
- High Voltage
- IP65 Rated
- Remote Monitoring

WWW.REGENRENEWABLES.CO.UK | 01327 577385

MODEL	KH7 KA7	KH8 KA8	KH9 KA9	KH10 KA10	KH10.5 KA10.5
EPS OUTPUT (WITH BATTERY)					
Max. EPS Power (VA)	7000	8000	9000	10000	10500
EPS Rated Voltage (V), Frequency (Hz)	220/230/240, 50 / 60				
Max. EPS Current (A)	31.8	36.4	40.9	45.5	47.7
EPS Peak Power (W)	10000, 60s		12000, 60s		
Switch Time (MS)	<20				
Total Harmonic Distortion (THDv, Linear Load) (%)	<2				
Parallel Operation	YES @max10PCS				
EFFICIENCY					
MPPT Efficiency (%)	99,90				
Euro-efficiency (%)	97.40				
Max. Efficiency (%)	97.80				
Max. Battery Charge Efficiency (PV to BAT)(@ Full Load)(%)	98.50				
Max. Battery Discharge Efficiency (BAT to AC)(@ Full Load)(%)	97.00				
PROTECTION					
PV Reverse Polarity Protection	YES				
Battery Reverse Protection	YES				
Anti-islanding Protection	YES				
Output Short Protection	YES				
Leakage Current Protection	YES				
Insulation Resistor Detection	YES				
Over-current Protection / Over-temperature Protection	YES				
Over Voltage Category	III (AC Side), II (DC Side)				
AC/DC Surge Protection	Type II / Type II				
AFCI Protection	Optional				
POWER CONSUMPTION					
Standby Consumption (W)(Ldle)	<15				
STANDARD					
Safety	IEC62109-1 / IEC62109-2 / IEC 62477-1				
EMC	EN 61000-6-1 / EN 61000-6-2 / EN 61000-6-3				
Certification	G99 / EN50549 / NRS 097-2-1				

MODEL	KH7 KA7	KH8 KA8	KH9 KA9	KH10 KA10	KH10.5 KA10.5
ENVIRONMENT LIMIT					
Ingress Protection	IP65				
Protective Class	IP65				
Operating Temperature Range (°C)	-25 ~ +60 (Derating at +45)				
Humidity (%)	0 ~ 95 (Non-condensing)				
Altitude (M)	<2000				
Storage Temperature (°C)	-40 - +70				
Noise Emission (Typical)(dB)	<30				
DIMENSION AND WEIGHT					
Dimensions (W*H*D)(mm)	450*527*208				
Weight (kg)	29 (KH) / 27.5 (KA)				
Cooling Concept	Natural				
Topology	Non-isolated				
Communication	Meter(Optional), WIFI, 4G (Optional), DRM, USB, CT, RS485				
LCD Display	Backlight 16*4 Character				



BATTERY EXPANSION

EASY UPGRADE

Expand your system easily by simply adding additional batteries. Seven batteries can be installed in series, providing up to 33.24kWg of storage capacity.

For more information about the Fox ESS range, get in touch today!

EMAIL US ON INFO@REGENRENEWABLES.CO.UK
WWW.REGENRENEWABLES.CO.UK | 01327 577385