



EVO 10

ENERGY STORAGE SYSTEM



FULLY INTEGRATED STORAGE SYSTEM

Seamlessly integrated, truly all-in-one solution.



LESS IS MORE

Sleek, minimalist design for effortless one-step installation.



DOUBLE OFF-GRID BACKUP CAPABILITY

The system experienced a 200% overload for 10 seconds.



4MS

Support 4ms parallel off-grid switching.



IP66
RATED



EPS
FUNCTION



-20°C ~ 55°C



95%
DOD



Advanced System Monitoring
with **FoxCloud V2.0**

EVO 10

A next-generation energy storage system solution with a fully-integrated inverter/charger and boasting a range of advanced features.

5kW ...>> 30kW
10kWh ...>> 30kWh

Off-Grid



For more information about the Fox ESS range, visit:
www.fox-ess.com

TECHNICAL SPECIFICATIONS

MODEL		EVO 10-5-H	EVO 10-8-H	EVO 10-10-H
PV INPUT (ONLY FOR HYBRID)				
Max. PV Array Power [Wp]		16000	20000	20000
Max. Input Power [W]		15000	18000	20000
Max. MPPT Input Power [W]		8000/8000	8000/8000/8000	8000/8000/8000
Max. Input Voltage [V]			600	
Start-up Input Voltage [V]			75	
Rated Input Voltage [V]			360	
MPPT Operating Voltage Range [V]			80 ~ 550	
Max. Input Current [A]		20/20	20/20/20	20/20/20
Max. Short-circuit Current [A]		25/25	25/25/25	25/25/25
No. of MPP Trackers		2	3	3
Strings per MPP Tracker			1	
BATTERY CONNECTION				
Battery Type			LFP (LiFePO ₄)	
Battery Energy [kWh]			10.24	
Depth of Discharge [%]			95	
Cycle Life			6000	
AC INPUT AND OUTPUT (GRID)				
Output	Rated Power [W]	5000	8000	10000
	Rated Apparent Power [VA]	5000	8000	10000
	Max. Apparent Power [VA]	5500	8800	11000
	Rated Output Current (Per Phase) [A]	22.7	36.4	45.5
	Max. AC Current (Per Phase) [A]	25.0	40.0	50.0
	THDI [%]		<3 @rated power	
Input	Max. Apparent Power [VA]	6000	9600	12000
	Max. Input Current [A] (Per Phase)	27.3	43.6	54.5
Output & Input	Nominal Voltage [V]		220/230/240, L/N/PE	
	Nominal Frequency [Hz]		50/60, ±5	
	Power Factor		1(Adjustable from 0.8 leading to 0.8 lagging)	
	Inrush Current [A]		15 @0.5ms	
EPS OUTPUT				
Max. Apparent Power [VA]		5000	8000	10000
Peak Apparent Power [VA]		6000@60s	9600@60s	12000@60s
		7500@30s	12000@30s	15000@30s
		10000@10s	16000@10s	20000@10s
Nominal Voltage [V]			220/230/240	
Nominal Frequency [Hz]			50/60	
Max. Output Current (Per Phase) [A]		22.7@220V	36.4@220V	45.5@220V
Power Factor			1 (Adjustable)	
Switch Time [ms]			<4	
THDV [%]			<3@Linear Load	
Parallel Operation			Yes @max 3PCS	
EFFICIENCY				
Max. Conversion Efficiency [%]			97.60	
European Efficiency [%]			97.20	
Max. Battery Charge Efficiency (PV To BAT) @full Load [%]			97.30	
Max. Battery Charge/discharge Efficiency (BAT To AC) @full Load [%]			96.40	
PROTECTION				
Insulation Monitoring			YES	
Residual Current Monitoring			YES	
DC Reverse Polarity Protection			YES	
Anti-islanding Protection			YES	
AC Short-circuit Protection			YES	
AC Overcurrent/Overvoltage Protection			YES	
DC Switch			YES	
Overvoltage Category			DC: Type II /AC: Type II	
AFCI Protection			YES	
GENERAL DATA				
Dimensions (W*H*D) [mm]			584*1009*197	
Weight [kg]			113	
Installation			Floor-mounted/Wall-mounted	
Cooling Method			Intelligent air cooling	
Noise Emission [dB]			<45, Average	
Max. Operating Altitude [m]			<4000@Derating exceeding 2000m	
Operating Temperature Range [°C]			-20 ~ 55	
Humidity (No Condensation) [%]			0 ~ 100	
Ingress Protection			IP66	
Standby Consumption [W]			< 20	
Monitoring Module			WiFi, LAN, 4G	
Communication Interface		Ethernet, EMS(RS 485), Meter, WiLAN(WiFi+LAN+Bluetooth), 4G(Optional), DRM, Ripple Control, USB, BMS(CAN), SG Ready		
Display			LED, LCD, APP, Website	
Supports Dual EPS Expansion			YES	
STANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST)				
Safety			EN/IEC 62109-1, EN/IEC 62109-2, EN/IEC62477-1,EN/IEC 62040(AU)	
EMC			EN IEC 61000-6-1:2019, EN IEC 61000-6-3:2021, EN IEC 61000-6-2:2019, IEC 61000-6-4:2019, IEC 62920:2017	
RED			EN 50665:2017, ENIEC 62311:2020, EN 301 489-1 V2.2.3 (2019-11), EN 301 489-17 V3.2.4 (2020-09), EN 300 328 V2.2.2(2019-07),	
			EN 55032:2015+A11:2020+A1:2020, EN 55035:2017+A11:2020	
Grid Regulation			G99, CEI 0-21, AS/NZS 4777.2:2020, NRS 097-2-1, IEC 61727, EN 50549-1, P140/P515	
Battery Regulation			IEC62619:2022	
Transportation			UN 38.3	
Environment			ROHS, REACH, WEEE	