



EPS FUNCTION



EXPAND CAPACITY



90% DOD



Powered by Fox ESS

DATASHEET

S22

All-in-One residential micro storage system, plug and play, highly flexible and extendable.

S22



ENERGY STORAGE SYSTEM

0.8kW



Advanced System Monitoring
with FoxCloud V2.0



FULLY INTEGRATED STORAGE SYSTEM

Seamlessly integrated, truly all-in-one solution.



LESS IS MORE

Sleek, minimalist design for effortless one-step installation.



EASY INSTALLATION

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



IP65 RATED

High level of protection, suitable for outdoor installation.



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

TECHNICAL SPECIFICATIONS

MODEL	S22-M-H	S22-M-AC	S22-S
AC INPUT			
Nominal Voltage [V]	220/230/240	220/230/240	/
Nominal Frequency [Hz]	50/60	50/60	/
Max. Input Current [A]	5.4	5.4	/
Max. Apparent Power [VA]	1200	1200	/
AC OUTPUT			
Rated Power [W]	800	800	/
Max. Apparent Power [VA]	800	800	/
Nominal Voltage [V]	220/230/240	220/230/240	/
Nominal Frequency [Hz]	50/60	50/60	/
Rated Output Current [A]	3.6	3.6	/
Power Factor	0.8 leading to 0.8 lagging	0.8 leading to 0.8 lagging	/
EPS OUTPUT			
Nominal Voltage [V]	220/230/240	220/230/240	/
Max. Output Current [A]	5.4	5.4	/
Nominal Frequency [Hz]	50/60	50/60	/
Max. Apparent Power [VA]	1200	1200	/
PV INPUT (ONLY FOR HYBRID)			
Max. Input Power [W]	2600	/	/
Absolute Max. Voltage [V]	60	/	/
MPPT Voltage Range [V]	10~60	/	/
Max. Input Current [A]	16±1	/	/
Max. Short Circuit Current [A]	18±1	/	/
No. of MPP Trackers	4	/	/
Strings per MPP Tracker	1	/	/
BATTERY TECHNICAL SPECIFICATION			
Battery Type	LiFePO ₄		
Battery Nominal Voltage [V]	35.2		
Battery Nominal Energy [kWh]	2.11		
Battery Operating Voltage [V]	31.9 ~ 40.15		
Battery Cycle Life	>6000 (80%SOH, @25°C±2°C, 0.5C/0.5C, 90%DOD)		
Expandable Number of Batteries	1	1	4
PROTECTION			
Battery Fire Protection Function	Optional		
Battery Warming Function	Optional		
Smart Meter	Optional	Optional	/
GENERAL DATA			
Dimensions (W*H*D) [mm]	420*285*255	420*285*255	420*270*220
Weight Approximate [kg]	26.5	25.5	24
Ingress Protection	IP65		
Operating Temperature Range [°C]	-20 ~ 55		
Max. Operating Altitude [m]	2000		
Relative Humidity [%]	15 ~ 85 (No Condensing)		
Installation Style	Floor-mounted		
Display	APP & OLED & Battery LED (SOC, Alarm)	APP & OLED & Battery LED (SOC, Alarm)	/
Communication Interfaces	Wi-Fi, Bluetooth, LAN, RS485	Wi-Fi, Bluetooth, LAN, RS485	/
STANDARD COMPLIANCE			
Safety EMC/Standard	IEC62619, UN38.3, IEC/EN 62109-1, IEC/EN 62109-2, IEC/EN 61000-6-1, IEC/EN 61000-6-2, IEC/EN61000-6-3, IEC/EN 61000-6-4		
Grid Regulation	EN50549, VDE4105, C10/11		
Battery Certification	UN38.3, IEC 62619		



2kWh
LFP Battery



800W On-grid and
Off-grid Operation