



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.

0.8kW



Advanced System Monitoring
with FoxCloud 2.0

S22



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.



EASY INSTALLATION

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



IP65 RATED

High level of protection, suitable for outdoor installation.



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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]	3.6/3.5/3.3	3.6/3.5/3.3	/
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]	20	/	/
Max. Short Circuit Current [A]	25	/	/
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 ~ 40.1		
Expandable Number of Batteries	1	1	4
PROTECTION			
Battery Fire Protection Function	Yes		
Battery Warming Function	Optional		
Smart Meter	Optional	Optional	/
GENERAL DATA			
Dimensions (W*H*D) [mm]	420*255*285	420*255*285	420*270*220
Weight Approximate [kg]	26.5	25.5	23
Ingress Protection	IP65		
Operating Temperature Range [°C]	-20 ~ 55		
Max. Operating Altitude [m]	2000		
Relative Humidity [%]	15 ~ 85 (No Condensing)		
Installation Location	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		