

Fox Single Phase Inverter

S Series

S700-S3000



High Performance

Low start-up voltage, wide voltage range, 97.4% maximum efficiency.



Upgradeable*

Fully optimized for the upgrade to the FOX range of battery storage system.

*Requires additional FOX equipment.



IP65 Rated

Engineered to last with maximum suitability for outdoor installation.



Remote Monitoring

Monitor your system remotely via smartphone app or web portal.

TECHNICAL SPECIFICATIONS

Model	S700	S1000	S1500	S2000	S2500	S3000	S3300
INPUT							
PV							
Max. Recommended DC Power [W]	1050	1500	2250	3000	3750	4500	4950
Max.DC Voltage [V]	500	500	500	500	550	550	550
Nominal DC Operating Voltage [V]	360	360	360	360	360	360	360
Max. Input Current [A]	12.5	12.5	12.5	12.5	12.5	12.5	12.5
Max. Short Circuit Current [A]	15	15	15	15	15	15	15
MPPT Voltage Range [Vdc]	50-500 Vdc	50-500 Vdc	50-500 Vdc	50-500 Vdc	50-550 Vdc	50-550 Vdc	50-550 Vdc
Start-up Voltage [V]	60	60	60	60	60	60	60
No. of MPP Trackers	1	1	1	1	1	1	1
Strings Per MPP Tracker	1	1	1	1	1	1	1
OUTPUT							
AC							
Nominal AC Power [W]	700	1000	1500	2000	2500	3000	3300
Max. Apparent AC Power [VA]	800	1100	1650	2200	2750	3300	3300
Rated Grid Voltage [Vac]	220/230/240; 180-260						
Rated Grid Frequency [Hz]	50/60						
Nominal AC Current [A]	3.0	4.3	6.5	8.7	10.9	13.0	14.3
Max. AC Current [A]	3.5	4.8	7.2	9.6	12.0	14.3	14.3
Displacement Power Factor	1 (Adjustable from 0.8 leading to 0.8 lagging)						
Total Harmonic Distortion (THDi, Nominal output)	<3%	<3%	<3%	<3%	<3%	<3%	<3%
EFFICIENCY							
MPPT Efficiency	99.00%	99.00%	99.00%	99.00%	99.00%	99.00%	99.00%
Euro-efficiency	96.50%	96.50%	96.50%	96.80%	96.80%	96.80%	96.80%
Max. Efficiency	97.20%	97.20%	97.30%	97.40%	97.40%	97.40%	97.40%
PROTECTION							
DC Reverse Polarity Protection	YES						
Anti-Islanding Protection	YES						
Insulation Monitoring	YES						
Residual Current Monitoring	YES						
AC Short Circuit Protection	YES						
AC Output Over Current Protection	YES						
AC Output Over Voltage Protection	YES						
Surge Protection	YES						
Temperature Protection	YES						
Integrated DC Switch	Optional						
STANDARD							
Safety	IEC 62109-1/2						
EMC	IEC 61000-6-1/IEC 61000-6-2/IEC 61000-6-3						
Certification	AS4777.2-2015/G98-1/G99-1/EN50549-1/CEI 0-21						
GENERAL DATA							
Dimensions (WxHxD) [mm]	334*350*115						
Weight [kg]	7.8						
Cooling Concept	Natural						
Topology	Transformerless						
Ingress Protection (according to IEC60529)	IP65						
Over Voltage Category	III (AC side), II (PV side)						
Noise Emission (typical) [dB]	<30						
Max. Operating Altitude [m]	3000 (derating when >2000)						
Operating Temperature Range	-20..... +60°C (derating at +45°C)						
Humidity	0-100% (No condensation)						
Self Consumption (night) [W]	<1						
Monitoring Module (optional)	External WIFI/Lan/GPRS (optional)						
Communication	Meter, CT, DRM, RS 485						
Display	LCD screen, Touch Key, App, Website						