

S SERIES (G2)

SINGLE MPPT INVERTERS

REFINED – POWERFUL – FLEXIBLE

Fox ESS offer a range of single MPPT single-phase inverters offering unparalleled efficiency and performance. Small and compact and with an ultra-low start-up voltage that will ensure you harvest the most energy possible from your solar panels.



High Performance

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



Easy Installation

Flexible configuration, plug and play set-up.



IP65 Rated

Engineered to last with maximum flexibility. Suitable for outdoor installation.

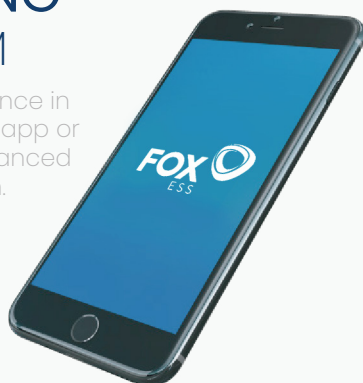


Remote Monitoring

Monitor your system remotely via smartphone app or web portal.

ANYTIME, ANYWHERE REMOTE MONITORING PLATFORM

Monitor system performance in real-time via smartphone app or web portal using our advanced monitoring platform.



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For more about the Fox ESS range of single-phase inverters, visit:

WWW.FOX-ESS.COM



TECHNICAL SPECIFICATIONS

Model	S3300-G2
INPUT	
PV	
Max. Input Power[W]	4950
Max. Input Voltage[V]	500
Start-up Input Voltage[V]	60
Rated Input Voltage[V]	360
MPPT Operating Voltage Range[V]	50 ~ 480
Max. Input Current[A]	14
Max. Short-circuit Current[A]	18
No. of Independent MPP Trackers	1
No. of Strings per MPP Tracker	1
OUTPUT	
AC	
Rated Output Power[W]	3300
Max. Output Apparent Power[VA]	3300
Rated Grid Voltage[V]	220/230/240
Rated Grid Frequency[Hz]	50/60
Rated Output Current[A]	14.3
Max. Output Current[A]	14.3
Power Factor	1 (Adjustable from 0.8 leading to 0.8 lagging)
Total Harmonic Distortion (THDi) [%]	<3
EFFICIENCY	
MPPT Efficiency [%]	99.00
Euro-Efficiency [%]	96.80
Max. Efficiency [%]	97.40
PROTECTION	
Insulation Monitoring	YES
Residual Current Monitoring	YES
DC Reverse Polarity Protection	YES
Anti-islanding Protection	YES
AC Short-circuit Protection	YES
AC Overcurrent Protection	YES
AC Overvoltage Protection	YES
Surge Protection	Optional (DC/AC: Type II)
DC Switch	Optional
AFCI	Optional
GENERAL DATA	
Dimensions (WxHxD)[mm]	290*220*116
Weight[kg]	5.4
Cooling Method	Natural Convection
Topology	Non-isolated
Noise Emission (typical)[dB]	<30
Max. Operating Altitude[m]	3000
Operating Temperature Range[°C]	-25 ~ 60
Humidity [%]	0 ~ 100 (No Condensation)
Ingress Protection	IP65
Internal Consumption at Night[W]	<1
Monitoring Module	WIFI / 4G (Optional)
Communication	RS485, Meter / CT, ISO Alarm
Display	LCD, Touch Key, App, Website
STANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST)	
Safety	EN 62109-1:2010, EN 62109-2:2011
EMC	EN IEC 61000-6-3:2021, EN IEC 61000-6-4:2019, EN IEC 61000-6-1:2019, EN IEC 61000-6-2:2019, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021
Grid Regulation	ABNT NBR 16149, ABNT NBR 16150, C10/11, EN 50549-1, PN EN-50549-1, VDE V 0126-1-1, IEC 61727, IEC 62116, IEC 61683, IEC 60068-2-1/2/14/30/64, G98