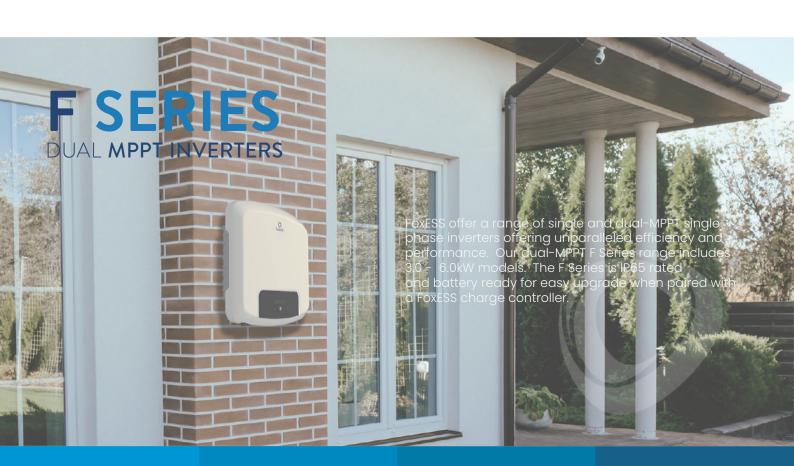


DATASHEET

Single-Phase F Series

F3000 / F3600 / F4600 / F5000 / F5300* / F6000





High Performance

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



Upgradeable*

Fully optimised for upgrade to the FoxESS range of battery storage systems. 'Requires additional FoxESS equipment



IP65 Rated

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



Remote Monitoring

Monitor your system remotely via smartphone app or web portal.

REMOTE MONITORING PLATFORM

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







THE F SERIES



For more about the FoxESS range of singlephase inverters, visit:

WWW.FOX-ESS.COM









TECHNICAL SPECIFICATIONS

Model	F3000	F3600	F4600	F5000	F5300*	F6000	
NPUT							
PV							
Max.Recommended DC Power [W]	4500	5400	6900	7500	7950	9000	
Max.DC Voltage [V]	600	600	600	600	600	600	
Nominal DC Operating Voltage [V]	360	360	360	360	360	360	
Max. Input Current (input A/input B) [A]		12.5/12.5					
Max. Short Circuit Current (input A/input B) [A]			15	/15			
MPPT Voltage Range [Vdc]	80-550	80-550	80-550	80-550	80-550	80-550	
Start output Voltage [V]	120	120	120	120	120	120	
No. of MPP Trackers	2	2	2	2	2	2	
trings Per MPP Tracker	1	1	1	1	1	1	
DUTPUT							
AC							
Nominal AC Power [W]	3000	3600	4600	5000	5300	6000	
Лах. Apparent AC Power [VA]	3300	3960	5060	5500	5830	6000	
Rated Grid Voltage [Vac]		220/230/240					
Rated Grid Frequency [Hz]			50/6	0, ±5			
Nominal AC Current [A]	13.0	15.7	20.0	21.7	23.0	26.1	
Max. AC Current [A]	14.3	17.2	22.0	23.9	25.3	26.1	
Displacement Power Factor		1 (Adjustable from 0.8 leading to 0.8 lagging)					
Fotal Harmonic Distortion (THDi, Nominal output)	<3%	<3%	<3%	<3%	<3%	<3%	
FFICIENCY							
MPPT Efficiency	99.00%	99.00%	99.00%	99.00%	99.00%	99.00%	
euro-efficiency	96.80%	96.80%	96.80%	96.80%	96.80%	96.80%	
Лах. Efficiency	97.40%	97.40%	97.40%	97.40%	97.40%	97.40%	
PROTECTION							
OC Reverse-polarity Protection	YES						
Anti-Islanding Protection	YES						
nsulation Monitoring	YES						
Residual Current Monitoring	YES						
AC Short Circuit Protection	YES						
AC Output Over Current Protection	YES YES						
AC Output Over Voltage Protection							
Surge Protection	Type II(DC) / Type II(AC) YES						
Temperature Protection	Optional						
ntegrated DC Switch			Ορι	Ullai			
TANDARD afety			IEC 63	109-1/2			
Bafety EMC	IEC 62109-1/2 IEC 61000-6-1/IEC 61000-6-2/IEC 61000-6-3						
Certification	AS4777.2-2015/G98-1/G99-1/EN50549-1/IEC 61727						
SENERAL DATA		A34777.	.2-2013/030-1/0.	79-1/ LIN30343-1/I	10 01/2/		
Dimensions (WxHxD) [mm]			<u>⊿</u> ∩2*//7	6.5*148			
Net Weight [kg]	402*476.5*148 15.5						
Cooling Concept	Natural						
ngress Protection (according to IEC60529)							
opology	IP65 Transformerless						
Over Voltage Category	III (AC side), II (PV side)						
loise Emission (typical) [dB]	(30						
perating Temperature Range	-20 +60°C (derating at +45°C)						
torage Temperature Range	-40 +70°C						
lumidity		0-100% (no condensation)					
elf Consumption (night) [W]	<1W						
Aonitoring Module (optional)		External WIFI/Lan/GPRS (optional)					
Communication	Meter, CT, DRM, USB update, RS485						
Display		LCD screen, Touch Key, App, Web site					
.op.u,			Jos. Cerr, Touch	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-		