



U SERIES

THREE-PHASE **INVERTER**



HIGH PERFORMANCE

Low start-up voltage, wide voltage range, 98.3% maximum efficiency.



EASY INSTALLATION

Flexible configuration, plug and play set-up.



IP66 RATED

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



REMOTE MONITORING

Monitor your system remotely via smartphone app or web portal.



Advanced System Monitoring
with **FoxCloud V2.0**

REFINED – POWERFUL – FLEXIBLE

The U Series inverter range is aimed at three-phase domestic commercial installations, offering unrivalled performance and versatility for increased yield potential and longer generation windows. The three-phase U Series inverter options range from 30kW to 40kW.

30kW ...>> 40kW



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

www.fox-ess.com



TECHNICAL SPECIFICATIONS

MODEL	U30	U33	U36	U40
INPUT(PV)				
Max. Input Power [W]	45000	49500	54000	60000
Max. Input Voltage [V]			1100	
Start-up Input Voltage [V]			200	
Rated Input Voltage [V]			600	
MPPT Operating Voltage Range [V]		200 ~ 1000		
Max. Input Current (per MPPT) [A]		36/40/40		
Max. Short-circuit Current (per MPPT) [A]		46.8/52/52		
No. of Independent MPP Trackers		3		
No. of Strings per MPP Tracker		2+2+2		
OUTPUT(AC)				
Rated Output Power [W]	30000	33000	36000	40000
Max. Output Apparent Power [VA]	34000	37000	40000	44000
Rated Grid Voltage [V]		3/N/PE, 220/380, 230/400		
Rated Grid Frequency [Hz]		50/60		
Rated Output Current [A]	43.5	47.8	52.2	58.0
Max. Output Current [A]	51.5	56.0	60.6	66.7
Power Factor	1 (Adjustable from 0.8 leading to 0.8 lagging)			
Total Harmonic Distortion (THDi) [%]	<3			
EFFICIENCY				
Max. MPPT Efficiency [%]	99.80			
European-Efficiency [%]	98.10			
Max. Efficiency [%]	98.30			
PROTECTION				
Insulation Monitoring	YES			
Residual Current Monitoring	YES			
PV String 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	Type II (DC) and Type II (AC)			
Temperature protection	YES			
PID	Optional			
AFCI	Optional			
GENERAL DATA				
Dimensions (W*H*D) [mm]	580*430*263			
Weight [kg]	33			
Cooling Method	FAN			
Topology	Non-isolated			
Noise Emission (typical) [dB]	<55			
Operating Altitude [m]	3000			
Operating Temperature Range [°C]	-25 ~ 60 (Derating at +45)			
Humidity [%]	0 ~ 100 (No Condensation)			
Ingress Protection	IP66			
Internal Consumption at Night [W]	<1			
Monitoring Module	WLAN / 4G (Optional)			
Communication	RS485, Meter			
Display	LCD, App, Website			