



R SERIES

3-PHASE GRID-TIED INVERTERS

The R Series inverter range is aimed at 3-phase commercial installations, offering unrivalled performance and versatility for increased yield potential and longer generation windows. The 3-phase R Series inverter options range from 75kW to 136kW.



PV STRING
CURRENT MONITORING



ARCFault
CIRCUIT INTERRUPTER
FUNCTION



SMART
I/V CURVE FUNCTION



IP66 RATED

REFINED – POWERFUL – FLEXIBLE

- Smart I/V Curve Function
- PV String Current Monitoring
- AFCI Function
- PID Recovery
- LED, Wi-Fi + APP
- IP66 and C5 Protection
- 13A / 16A Input Current, Compatible with Bifacial Module



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

WWW.FOX-ESS.COM



MODEL	R75	R100	R110	R120	R136
INPUT(DC)					
Max. Input Power [V]	1100**	1100**	1100**	1100**	1100**
Start-up Input Voltage [V]	250	250	250	250	250
Rated Input Voltage [V]	600	600	600	600	780
MPPT Operating Voltage Range [V] (Full Load)	550-850	550-850	550-850	550-850	550-850
MPPT Operating Voltage Range [Vdc]	200-1000	200-1000	200-1000	200-1000	200-1000
No. of Independent MPP Trackers	9/2	9/2	10/2	12/2	12/2
Max. Input Current [A]	26	26	26	32	32
Max. Short-circuit Current [A]	40	40	40	40	40
OUTPUT(AC)					
Rated Output Power [kW]	75	100	110	120	136
Max. Output Apparent Power [kVA]	75*/82.5	110	121	132	150
Max. Output Current [A]	119.6	158.8	175.3	191.3	173.2
Rated Grid Voltage [Vac]		380/400, 3W+N+PE		400, 3W+N+PE	500, 3W+PE
Grid Voltage Range [Vac]	320-460	320-460	320-460	320-460	400-575
Grid Frequency Range [HZ]			45-55 / 55-65		
Adjustable Power Factor			0.8 leading ~ 0.8 lagging		
THDi			<3%		
EFFICIENCY					
Max. Efficiency			98.6%		
Euro. Efficiency			98.2%		
PROTECTION					
DC Switch			Yes		
DC Reverse Polarity Protection			Yes		
AC Overcurrent Protection			Yes		
AC Short-circuit Protection			Yes		
Surge Protection			DC Type II / AC Type II		
PID Recovery			Yes		
Insulation Monitoring			Yes		
Residual Current Monitoring			Yes		
AFCI			Optional		
PV String Current Monitoring			Optional		
GENERAL DATA					
Dimensions (W*H*D) [mm]			975*630*360		
Weight [kg]			90		
Operating Ambient Temperature Range [°C]	-30 ~ 60	-30 ~ 60	-30 ~ 60	-30 ~ 60	-30 ~ 60
Cooling Method			Smart air cooling		
Operating Altitude [m]			4000		
Allowable Relative Humidity Range			0 ~ 100% (non-condensing)		
Ingress Protection Rating			IP66		
Isolation Method			Transformerless		
Display			LED,Wi-Fi+APP		
Communication			RS485 / USB / Wi-Fi+LAN / 4G		
DC Connection Type			MC4		
AC Connection Type			OT terminal		
STANDARD (more available upon request)					

IEC 62109, IEC 61727, IEC 62116, IEC 60068, IEC 61683, IEC 61000-6-3, EN 50549

* Only for Brazil market

** If the maximum DC voltage in the system can exceed 1000V, the MC4 connectors included in the scope of delivery must not be used. In this case MC4 Evo2 connectors must be used.