



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



ARC FAULT
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
- 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]	200	200	200	200	200
Rated Input Voltage [V]	600	600	600	600	780
MPPT Operating Voltage Range [Vdc]	200 ~ 1000	200 ~ 1000	200 ~ 1000	200 ~ 1000	200 ~ 1000
No. of Independent MPP Trackers	9 / 2	9 / 2	12 / 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]	82.5	110	121	132	150
Max. Output Current [A]	119.6	158.8	175.3	191.3	173.2
Rated Grid Voltage [Vac]	400, 3W+N+PE	400, 3W+N+PE	400, 3W+N+PE	400, 3W+N+PE	500, 3W+PE
Grid Voltage Range [Vac]	340 ~ 440	340 ~ 440	340 ~ 440	340 ~ 440	425 ~ 550
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	98.4%				
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	Yes				
Insulation Monitoring	Yes				
Residual Current Monitoring	Yes				
AFCI	Optional				
GENERAL DATA					
Dimensions (W*H*D) [mm]	970*645*375				
Weight [kg]	90				
Operating Ambient Temperature Range [°C]	-30 ~ 60	-30 ~ 60	-30 ~ 60	-25 ~ 60	-25 ~ 60
Cooling Method	Smart forced air cooling				
Operating Altitude [m]	3000				
Allowable Relative Humidity Range	0 ~ 100% (non-condensing)				
Ingress Protection Rating	IP66				
Isolation Method	Transformerless				
Display	LED,Wi-Fi+APP				
Communication	USB / RS485 / 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

* Smart I/V Curve Function will be available in Q4, 2022

* R120 and R136 models available in Q4, 2022