



R SERIES(G2)

THREE-PHASE **INVERTER**



PV STRING
CURRENT MONITORING



AFCI FUNCTION



PID RECOVERY



IP66 RATED

REFINED – POWERFUL – FLEXIBLE

The R Series(G2) inverter range is aimed at three-phase commercial installations, offering unrivalled performance and versatility for increased yield potential and longer generation windows. The three-phase R Series(G2) inverter options range from 75kW to 136kW.

75kW ...>> 136kW



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

www.fox-ess.com



TECHNICAL SPECIFICATIONS

MODEL	R75-G2	R80-G2	R100-G2	R110-G2	R125-G2	R136-G2
INPUT(DC)						
Max. Input Voltage [V]				1100		
Start-up Input Voltage [V]				250		
Rated Input Voltage [V]				600		
MPPT Operating Voltage Range [V] (Full Load)				550 ~ 850		
MPPT Operating Voltage Range [Vdc]				200 ~ 1000		
No. of Independent MPP Trackers	9/2	9/2	9/2	10/2	10/2	10/2
Max. Input Current [A]				40		
Max. Short-circuit Current [A]				50		
OUTPUT(AC)						
Rated Output Power [kW]	75	80	100	110	125	136
Max. Output Apparent Power [kVA]	75*/82.5	88	110	121	137.5	138
Max. Output Current [A]	113.7*/125	133.3	166.7	183.3	199.3	200
Rated Grid Voltage [Vac]				400, 3W+N+PE		
Grid Voltage Range [Vac]				320 ~ 480		
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 Temperature [°C]				-30 ~ 60		
Cooling Method				Smart Air Cooling		
Operating Altitude [m]				4000 (>3000m Derating)		
Relative Humidity Range [%]				0 ~ 100 (Non-Condensing)		
Night Power Consumption [W]				3.5		
Ingress Protection Rating				IP66		
Isolation Method				Non-isolated		
Display				LED,Wi-Fi+APP		
Communication				RS485 / USB / Wi-Fi+LAN / 4G (Bluetooth)		
DC Connection Type				MC4 Similar		
AC Connection Type				OT Terminal		
STANDARD						

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