



R SERIES(G2)

THREE-PHASE **INVERTER**



PV STRING MONITORING

Real time PV string current sampling and monitoring, with string performance analysis and report abnormal condition capability.



PID RECOVERY

Improving panel efficiency over life time and prevents further degradation with auto detection and adjustment.



AFCI FUNCTION

Providing safe and reliable protection against arc, and accurate and fast response to ensure man and device safety.



IP66 RATED

Reliable performance under extreme environment and temperature condition, extending product life with minimum effort.

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

* Only for Brazil Market

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