



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.

100kW ...>> 125kW

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.



For more about the Fox ESS range of three-phase inverters, visit:
www.fox-ess.com

TECHNICAL SPECIFICATIONS

MODEL	R100-G2	R125-G2
INPUT(DC)		
Max. Array Power [kWp]	200	250
Max. DC Input Power [kW]	200	250
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 MPP Trackers	9/2	10/2
Max. Input Current [A]		40
Max. Short-circuit Current [A]		50
OUTPUT(AC)		
Rated Output Power [kW]	100	125
Max. Output Apparent Power [kVA]	110	137.5
Max. Output Current [A]	166.7	199.3
Rated Grid Voltage [Vac]		400, 3W+N+PE
AC Voltage Range [Vac]		320 ~ 460
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
European 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		Yes
PV String Current Monitoring		Yes
GENERAL DATA		
Dimensions (W*H*D) [mm]		975*630*360
Weight [kg]		90
Operating Temperature [°C]		-30 ~ 60 (Derating at 50)
Cooling Method		Smart Air Cooling
Operating Altitude [m]		4000 (>3000m Derating)
Relative Humidity Range [%]		0 ~ 100 (No condensation)
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
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