



V SERIES

3-PHASE GRID-TIED INVERTERS

The V 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 V Series inverter options range from 30kW to 75kW.



PV STRING
CURRENT MONITORING



ARC-FAULT
CIRCUIT INTERRUPTER



PID RECOVERY



IP66 RATED

- DC and AC Type II SPD
- PV String current monitoring
- AFCI Function
- PID Recovery
- LED, WIFI+APP
- IP66 and C5 Protection
- Up to 40A input current, Compatible with Bifacial Module



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

WWW.FOX-ESS.COM



TECHNICAL SPECIFICATIONS

MODEL	V30	V33	V36	V40	V50	V60	V75
INPUT(PV)							
Max. Input Voltage [V]				1100			
Start-up Input Voltage [V]				250			
Rated Input Voltage [V]				600			
MPPT Operating Voltage Range [V]				200 ~ 1000			
MPPT Voltage Range [V] (Full load)				550 ~ 800			
Max. Input Current per MPPT [A]				40			
Max. Short-circuit Current [A]				50			
No. of Independent MPP Trackers	3	3	4	4	4	6	6
No. of Strings per MPP Tracker				2			
OUTPUT(AC)							
Nominal Output Power [kW]	30	33	36	40	50	60	75
Nominal Output Apparent Power [kVA]	30	33	36	40	50	60	75
Max. AC Active Power [kW]	33	36.3	39.6	44	55	66	75
Max. AC Apparent Power [kVA]	33	36.3	39.6	44	55	66	75
Nominal Output Voltage [V]				380/400, 3W+N+PE			
Nominal AC Grid Frequency [Hz]				50/60			
AC Grid Frequency Range [Hz]				45 ~ 55 / 55 ~ 65			
Max. Output Current [A]	50.2	55.2	60.2	66.9	83.6	100.3	114
Output Power Factor				0.8 leading to 0.8 lagging			
Max. Total Harmonic Distortion [%]				<3 at Nominal Output Power			
EFFICIENCY							
Euro-Efficiency [%]	98.4	98.4	98.4	98.4	98.1	98.1	98.1
Max. Efficiency [%]	98.7	98.7	98.7	98.7	98.5	98.5	98.5
PROTECTION							
DC Switch				YES			
DC Reverse Polarity Protection				YES			
AC Short-circuit Protection				YES			
AC Overcurrent Protection				YES			
Insulation Monitoring				YES			
Residual Current Monitoring				YES			
PV String Current Monitoring				YES			
Surge Protection				DC Type II / AC Type II			
PID Recovery				YES			
AFCI				Optional			
Grid monitoring				YES			
Night SVG				YES			
Anti-Corrosion				C5			
GENERAL DATA							
Dimensions (W*H*D) [mm]				640*430*243			
Weight [kg]	41	41	42	42	50	50	50
Cooling Method				Smart air cooling / FAN			
Max. Operating Altitude [m]				4000			
Operating Temperature Range [°C]				-30 ~ 60			
Humidity [%]				0 ~ 100 (No Condensation)			
Ingress Protection				IP66			
Pollution Degree				PD 2 (inside), PD 3 (outside)			
Protective class				Class I			
Over Voltage Category				II (DC), III (AC)			
Communication				RS485/USB/Wi-Fi+LAN/4G			
Display				LED, Wi-Fi+APP			