



ON-GRID INVERTER

30 kW

Fusion Series

40 A

Max. PV Input Current

100%

Max. PV Input Current

30 kW

Rated Output Power

Commercial | Three-Phase | 2 MPPTS



Safe and Reliable

- Reliable Heat Dissipation
- DC/AC Lightning Proof
- Anti-Corrosion Alloy
- Adapt to Various Environment



High Yield

- Maximum Efficiency 97.5%
- Wide MPPT Voltage Range.
- Up to 10% Continuous Output Overloading Capacity



Easy to Use

- Plug and Play
- RS-485 / Wi-Fi / GPRS / LAN Optional
- Remote Upgrading Available
- Easy Configuration via App / OLED

Fusion Series

The Power Master



GRID TIE INVERTER – THREE PHASE

Technical Data Sheet

MODEL NUMBER	FUSION 303
CAPACITY (kW)	30
INPUT (DC)	
Max.DC input power (kW)	36.0
Max. DC I/P (Vdc)	1000V
Max. MPPT I/P Current (A)	40A
MPPT Short Circuit Current (A)	60A
MPPT Tracking Voltage (Vdc)	200-1000V
Start-Up Voltage(V)	200V
Number of MPPT Tracker	2
Strings per MPPT Tracker	2 / 3
OUTPUT (AC)	
Rated output power (kW)	30
Rated Grid Voltage (V)	415V
Voltage Operating Range (V)	280-455V
Rated Grid freq. (Hz) / Range	50Hz (± 5%)
Rated output current AC (A)	41.7
AC Connection	3P + N + PE
THDI (%)	<3%
Output Power factor	0.9 leading to 0.9 lagging
EFFICIENCY	
Max. conversion Efficiency (%)	98.7%
Max. Euro Efficiency (%)	98.1%
MPPT Efficiency (%)	>99%
PROTECTION	
Anti-Islanding Protection	YES
DC Reverse Polarity Protection	YES
Insulation Resistance Protection	YES
Ground Fault Protection	YES
Output Over Current Protection	YES
Output Short circuit Protection	YES
Output Over Voltage Protection	YES
DC Isolator Switch	YES
Surge Protection	DC: Type II / AC: Type II
GENERAL DATA	
Dimensions (W*H*D) mm	330*572*206
Weight (Kg)	28.7
Topology	Transformerless
Noise Emission (dB)	≤45dB
Display	LED with LCD Display
Cooling Method	Intelligent Fan Cooling
Operating ambient Temperature	(-25°C ~ +65°C)
Operating Humidity	0% - 100%
Max. Operating Altitude (m)	2000m (>2000m Derating)
Ingress Protection	IP65
Standard Warranty	10 Years
CONNECTION TYPE	
DC connectors	MC-4
Ingress AC plug	IP65 rated plug
Communication Modes	WiFi / GPRS / RS 485 / Local Monitoring
Remote Monitoring	YES