



FOR RESIDENTIAL & COMMERCIAL ROOFTOP SOLAR

Single phase

FUSION 31 , FUSION 41 , FUSION 51

Three phase

FUSION 53, FUSION 63, FUSION 83, FUSION 103
FUSION 123, FUSION 153, FUSION 203, FUSION 253
FUSION 503, FUSION 803, FUSION 1003



Leading Features



Superior Efficiency

Maximum efficiency 98.3%
Maximum String Current , compatible with 600W+ modules
150% PV configuration, 110% output overload

High Reliability

Die-cast aluminum case, IP66 waterproof and dustproof, C5 anti corrosion
DC / AC surge protections.
Compatible with wide power grid voltage and high harmonic power grid environment

Intelligent Maintenance

App quick commissioning
Remote configuration and upgrade
Supports export control

Technical Specification

Output Power(kW)	3 KW	4 KW	5 KW	5 KW	6 KW	8 KW	10 KW	12 KW	15 KW	20 KW	25 KW	40 KW	50 KW	80 KW	100 KW
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Input Side (DC)

Max. DC Input Power (kW)	3	4	5	5	6	8	10	12	15	20	25	40	50	80	100	
Max. MPPT I/P Current (A)	20A										26A	40A				
Max. Short Circuit Current (A)	23A	27A	30A						40A		60A					
MPPT Operating Voltage (V)	100-500V			120-850V				250-850V								
No. of MPPT Tracker	1		2								3		4		6	
Operating Phase	Single Phase			Three Phase												

Output Side (AC)

Output Power (kW)	3	4	5	5	6	8	10	12	15	20	25	40	50	80	100
Operating Grid Voltage (V)	140V - 290V			320V - 480V											
Rated Grid Voltage (V)	230V			415V											
Nominal Grid freq. (Hz)	50Hz														
AC Connection (with PE)	L + N + E			3L + N + E											
THD(%)	< 3%														
Output Power Factor (%)	>99.99%														

Efficiency

Max. Conversion eff.(%)	97.5%			98%											
Max. MPPT Efficiency (%)	>99%														

Mechanical Data

Weight (Kg)	7	13	15				28			55	55	60	80	
Dimension (LXHXW) mm	330x348x127	330x348x179	385 x 479 x 184				455 x 573 x 265			700 x 684 x 307				

General Data

Operating temperature	-25°to+65°C														
Display	Graphical - LED with LCD Display														
DC / AC Connectors (IP-65)	MC-4/ AC power connector														
Communication Interface	Wifi / GPRS / RS 485 / RS 232 / ETHERNET LAN														

Warranty and Certifications

Standard Warranty	5 Years														
Certiificates	IEC Equivalent BIS Standard: IS 61683, IS 16221, IEC 60068, IEC 61000														