



1.0 to 3.0kW Single Phase

Suitable for solar installations from 0.67kWp up to 4.5kWp (DC)

- **Discreet and Lightweight** - Footprint of an A4 sheet of paper and whisper quiet operation.
- **Enhanced Generation** - low start-up voltage generates power in low light conditions.
- **Smart Control.** Generation monitoring and optional export limitation.
- **Safe and Reliable.** Factory fitted DC isolator switch for improved safety.
- **10 Year Warranty.**
- **UK Technical and Design Support.**

Specification

		CSI1000	CSI1500	CSI2000	CSI2500	CSI3000
OUTPUT						
Nominal Output Power	W	1,000	1,500	2,000	2,500	3,000
Nominal Output Apparent Power	VA	1,000	1,500	2,000	2,500	3,000
Max. AC Active Power	W	1,100	1,650	2,200	2,750	3,300
Max. AC Apparent Power	VA	1,100	1,650	2,200	2,750	3,300
Nominal Output Voltage	V	230	230	230	220/230	220/230
Nominal AC Grid Frequency	Hz	50/60	50/60	50/60	50/60	50/60
Max. Output Current	A	4.8	7.2	9.6	12.0	14.3
Power Factor		~1 (adjustable from 0.8 leading to 0.8 lagging)				
Max. Total Harmonic Distortion		<3%	<3%	<3%	<3%	<3%
INPUT						
Max. Input Power	W	1,500	2,250	3,000	3,750	4,500
Max. Input Voltage	V	500	500	500	600	600
MPPT Operating Voltage Range	V	40~450	50~450	50~450	50~550	50~550
Start-up Voltage	V	40	50	50	50	50
Nominal Input Voltage	V	360	360	360	360	360
Max. Input Current per MPPT	A	15	15	15	15	15
Max. Short Circuit Current per MPPT	A	18.75	18.75	18.75	18.75	18.75
Number of MPPT Trackers		1	1	1	1	1
Number of Strings per MPPT		1	1	1	1	1
EFFICIENCY						
Max. Efficiency		97.2%	97.3%	97.5%	97.6%	97.6%
European Efficiency		96.4%	96.6%	97.0%	97.2%	97.2%

GENERAL		
Operating Temperature Range	°C	-25 to +60
Relative Humidity		0 to 100%
Max. Operating Altitude	m	3,000
Cooling Method		Natural Convection
User Interface		LED, LCD, WLAN and App
Communication		WiFi or LAN
Weight	kg	5.8
Dimensions (WxHxD)	mm	295 x 230 x 113
Noise Emission	dB	<30
Topology		Non-isolated
Standby Power Consumption	W	<1
Ingress Protection (IP) Rating		IP65
DC Connector		MC4 (2.5 - 4mm ²)
AC Connector		plug and play connector

PROTECTION	
PV Insulation Resistance Detection	Integrated
Residual Current Monitoring	Integrated
Anti-Islanding Protection	Integrated
AC Overcurrent Protection	Integrated
AC Short Circuit Protection	Integrated
AC Overvoltage Protection	Integrated
DC Switch	Integrated
DC Surge Protection	Type III (Type II Optional)
AC Surge Protection	Type III
AFCI	Option
Emergency Power Off	Option
Remote Shutdown	Option

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