Solar Inverter

Clearline
INVERTER



0.7 to 3.0kW
Single String Single Phase

Suitable for solar installations from 0.56kWp 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.**

Viridian Solar, Atlas Building, 68 Stirling Way,
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80043 Version 1.4

viridian solar

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Specification

		CSI700S	CSI1000S	CSI1500S	CSI2000S	CSI2500S	CSI3000S
OUTPUT							
Nominal Output Power	W	700	1,000	1,500	2,000	2,500	3,000
Nominal Output Apparent Power	VA	700	1,000	1,500	2,000	2,500	3,000
Max. AC Active Power	W	700	1,000	1,500	2,000	2,500	3,000
Max. AC Apparent Power	VA	700	1,000	1,500	2,000	2,500	3,000
Max. Output Current	A	3.2	4.6	6.9	9.1	11.4	13.7
Nominal AC Grid Frequency	Hz	50/60	50/60	50/60	50/60	50/60	50/60
Nominal Output Voltage	V	220/ 230/ 240,L/N/PE					
Power Factor		~1 (adjustable from 0.8 leading to 0.8 lagging)					
Max. Total Harmonic Distortion		<3%	<3%	<3%	<3%	<3%	<3%
INPUT							
Max. Input Power	W	1,400	2,000	3,000	4,000	5,000	6,000
Max. Input Voltage	V	600	600	600	600	600	600
MPPT Operating Voltage Range	V	40~450	40~450	40~450	40~450	40~550	40~550
Start-up Voltage	V	50	50	50	50	50	50
Nominal Input Voltage	V	360	360	360	360	360	360
Max. Input Current per MPPT	A	16	16	16	16	16	16
Max. Short Circuit Current per MPPT	A	25	25	25	25	25	25
Number of MPPT Trackers		1	1	1	1	1	1
Number of Strings per MPPT		1	1	1	1	1	1
EFFICIENCY							
Max. Efficiency		97.0%	97.1%	97.2%	97.5%	97.6%	97.6%
European Efficiency		93.2%	95.0%	96.0%	96.8%	97.0%	97.1%

GENERAL		
Operating Temperature Range	°C	-25 to +60
Relative Humidity		0 to 100%
Max. Operating Altitude	m	4,000
Cooling Method		Natural Convection
User Interface		LED, LCD, WLAN and App
Communication		RS485, WiFi, LAN, 4G, Bluetooth (opt.)
Weight	kg	4.6
Dimensions (WxHxD)	mm	306 x 218 x 119
Noise Emission	dB	<20
Topology		Non-isolated
Standby Power Consumption	W	<3
Ingress Protection (IP) Rating		IP66
DC Connector		MC4 (4- 6mm^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 (Type II Optional)
AFCI	Option
Emergency Power Off	Option
Remote Shutdown	Option

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