

X-RAY Micro Inverter

X-RAY-WVC800W



Specification



Product Features



The maximum output power can reach 800W



Peak efficiency 92.70%.
The CEC weighted efficiency is 92.50%



Static MPPT efficiency 99.80%. The efficiency of dynamic MPPT on cloudy days is 99.76%



Power factor (adjustable)
0.8 lead...0.8 lag



External antenna for stronger communication with WiFi sources



High reliability: NEMA 3R (IP65) enclosure. 6000V surge protection

Model	X-RAY-WVC800W
DC Input	
Maximum Input Power	Max 2x 500W
Mppt Voltage Range (Module Open Circuit Voltage)	30-60V
Starting Voltage	22V d.c.
Working Voltage Range	22-60V d.c.
Maximum Input Voltage	60V
Maximum Input Current	2x18A
Maximum Input Short Circuit Current	2x20A
Maximum Feedback Current Of The Array	0A
AC Output	
Maximum Output Power	800VA
Rated Output Current	@120V 6.6A @230V 3.5A
Nominal Output Voltage Range	@120V a.c. (Application area: such as Japan, North America, etc.) @230V a.c. (Application area: such as Europe)
Nominal Frequency Range	50Hz/60Hz
Power Factor	> 0.99 default 0.95 leading...0.95 lagging
Harmonic Distortion Of Output Current	<3%
Maximum Number Of Connections Per Branch	@120V 6 PCs @230V 12Pcs
Efficiency, Safety and Protection	
Peak Microinverter Efficiency	92.70%
CEC weighted efficiency	92.50%
Nominal MPPT Efficiency	99.80%
Night power consumption (mW)	0
Mechanical Data	
Ambient temperature range	-20 to +50°C
Storage temperature range	-20 to +50°C
Dimensions (LxWxH)	283x200x41.6mm
Weight	1.46kg
Waterproof level	Outdoor Nema 3r (IP65)
Cooling method	Natural Convection (no Fans)
Degree of pollution	PD3
Feature	
Power Delivery Mode	Reverse transmission, load priority
Communication method	WiFi
Rated transmit power	802.11b: +17dBm ± 1.5dBm (@11Mbps) 802.11g: +15dBm ± 1.5dBm (@54Mbps) 802.11n: +14dBm ± 1.5dBm (@HT20, MCS7)
Surveillance system	Smart Life
Warranty	5 years
Electrical Standard	EN 50549-1:2019, EN 50549-2:2019 EN 61000-6-1:2007, EN 61000-6-3:2007 + A1:2011 + AC2012 IEC/EN 62109-1:2010, IEC/EN 62109-2:2011
Bluetooth	2402-2480MHz Bluetooth EIRP Power (Max.) 7.89dBm
Wifi 2.4G	2412-2472MHz Wifi 2.4G EIRP Power (Max.) 18.08dBm
*Note: Voltage and frequency ranges may exceed nominal values if required by the utility company.	
Package	
	FCL (5units)
Standard 3m AC grid-connected cable	12.3Kg 450x400x260mm