

# Soladin 2200 WEB



Product code: 131512200

The professional solution for residential applications, suitable for 7 to 15 solar panels. Thanks to their robust IP65 casing, these transformerless inverters are ideal for indoor and outdoor installation, and offer superior dust-protection. The intelligent and functional design ensures that installation is only a matter of minutes. The inverters are supplied with a waterproof AC plug.

### Robust inverter for maximum yield

The robust Soladin 2200 WEB brings solar energy within everyone's reach. These inverters ensure a professional performance for small PV systems. Thanks to built-in WiFi and Mastervolt IntelliWeb, the operation of your PV system can be monitored in a simple and clear way – at home, at a friend's house or on holiday.

### Mastervolt IntelliConcept: smart innovation for 5 to 10 % extra yield

The Soladin WEB solar inverters will get the most out of your solar panels in all conditions. This means not only a great performance in blazing sunshine, but also the best possible yield on cloudy days. Eight built-in [IntelliConcept](#) IntelliConcept innovations guarantee maximum yield under all conditions.



IntelliStart



IntelliCool



IntelliTrack



IntelliPeak



IntelliGrid



IntelliString



IntelliShade

### Mastervolt IntelliShade: effective shade management

The standard [IntelliShade](#) IntelliShade regulator can be a very effective solution for minimising the effects of shade, without the drawbacks of optimisers and micro-inverters. [IntelliShade](#) IntelliShade allows even partly shaded solar panels to be used in a highly cost-effective way. This solution prevents solar panels from being adversely affected by shaded cells in other panels, ensuring that the yield of a partly shaded PV system still remains acceptable

### Mastervolt IntelliWeb: Internet monitoring via WiFi

Soladin WEB can utilise any existing WiFi connection. After logging into your personal IntelliWeb page, you will see a clear overview of the technical data, energy yield, and financial effects on your laptop, smartphone or tablet. You will be able to see whether the system is functioning properly at a single glance, while real-time data updates always provide you with the latest information. IntelliWeb automatic monitoring provides you with maximum operational security!

### Quick to install, versatile in use

Due to their silent operation, Soladin WEB inverters are ideally suited for installation in-house. The Soladin 2200 and 3000 WEB models can also be installed outdoors due to their solid IP65 casing.

Soladin WEB inverters can be applied with every type of solar panel, both in new and in existing systems. In addition, the Soladin WEB is suitable for most European countries.

### Reliable quality

The Soladin WEB is a Dutch quality product from Mastervolt. The range is designed in the Netherlands and

produced in accordance with stringent quality and environmental requirements, such as ISO9001 and ISO14001. Our 'Zero Defects' policy limits errors to a minimum. The Soladin WEB inverters are supplied with 10 years manufacturer warranty.

# Specifications

## Specifications solar input (DC)

PV power range	1900-2850 Wp
Start-up power	8.5 W
Operating voltage range	125-400 V
MPP voltage range at nominal power	420 V
Nominal voltage	350 V
Max. voltage	500 V
DC connection	1 MPP tracker and 1 set MultiContact MC4 connectors
Efficiency MPP trackers (static/dynamic)	99.9 % / 99.8 %
Nominal input current	1x 10 A
DC protection	surge arresters class III according to IEC 61643-1
Number of panels	8-11

## Grid output (AC) specifications

Grid voltage	230 V +15 %/-20 %
Nominal output power	2200 VA
Max. output power	2310 VA
Max. output current	10.5 A
Frequency	50/60 Hz
Power factor	> 0.99
Standby power	< 1 W
EU efficiency	96.2 %
Max. efficiency	97.1 %
AC connection	Amphenol IP67 connector, suitable for 2.5-6 mm <sup>2</sup> cables

## Regulations & directives

CE conformity	yes
Approved for use in	DE, SP, NL, UK, DK, FR, BE, GR, AT, IE, BG, CZ, CY, PO
Nat. grid requirements	VDE0126-1-1; VDE-AR-N4105; RD1699; G83/2; C10/11

## Communication & monitoring

Display	three LED indicators
Diagnostics	Intelliweb
Communication	WiFi / IntelliWeb

## General specifications

Enclosure	coated aluminium
Safety class	class I
Inverter technology	transformerless
Sound level (typ.)	< 30 dB(A)
Protection degree	IP65 for outdoor application
Operating temperature	-20 °C to 60 °C; derating power > 45 °C -4 to 140 °F
Dimensions, hxxwx d	440 x 460 x 160 mm 17.3 x 18.1 x 6.3 inch
Weight	13.5 kg 29.8 lb
Product warranty	10 years

## Technical specifications

Relative humidity	4-100 % non condensing
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