

Soladin^{WEB}



For three to fifteen
solar panels

Monitoring via WiFi

Exceptionally quiet

High annual yield

Dutch Design



Solar energy
for all!



MASTERVOLT
THE POWER TO BE INDEPENDENT

Soladin^{WEB}

supreme be

Power Indicator

Lights up faster as more solar energy is converted.

LED indicator

WiFi and inverter status.

WiFi antenna

Wireless connection to Mastervolt Intelliweb.

Connectors

Solid DC connectors, grid supply with QuickConnect.



Mounting bracket

Including mounting bracket for quick and easy wall mounting.



Optional switch

Completely pre-assembled DC switch ensures fast installation and optimum safety.



IntelliWeb

Direct overview of your PV system, at any time of day.

Mastervolt IntelliConcept



IntelliStart

Delivers additional yield in the early morning and the late evening.



IntelliCool

Stable high efficiency and constant high power.



IntelliTrack

Additional yield by tracking fast weather changes.



IntelliPeak

Maximizes efficiency where it's needed most.

enefits



Handles
Integrated.



Mounting bracket
Including mounting bracket for trouble-free installation.



Installation time
3 Minutes.

IP65 housing
Compartment for indoor or outdoor installation.
Extremely robust.

WiFi antenna
Wireless connection to Mastervolt Intelliweb.



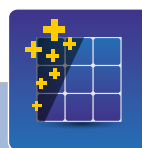
IntelliWeb
Direct overview of your PV system, at any time of day.



IntelliGrid
Stable operation during small grid disturbances.



IntelliString
Up to 80% reduction of cable loss.



IntelliShade
Maximizes production even under shaded conditions.



IntelliWeb
Integrated monitoring for early warning on system fault.

Specifications Soladin^{WEB}



Soladin 1000 WEB

130001000



Soladin 1500 WEB

130001500



Soladin 2200 WEB

131512200



Soladin 3000 WEB

131513000

Product code

GENERAL

Operating temperature	-20 °C to 60 °C; derating power > 45 °C			
Enclosure	aluminium, ABS front		coated aluminium	
Protection degree	IP21, for indoor use		IP65 for outdoor application	
Relative humidity	< 90% non condensing		4-100% non condensing	
Safety class	class I		class I	
Inverter technology	HF trafo		transformerless	
Sound level (typ.)	< 36 dB(A) SPL		< 30 dB(A)	
Dimensions, hxxwxd	478x241x128 mm		465x460x160 mm	
Weight	7 kg	8 kg	18 kg	18 kg
Manufacturer's warranty	10 year		10 year	

SOLAR INPUT (DC)

PV power range	850 - 1350 Wp	1300 - 2000 Wp	1850 - 2850 Wp	2600 - 3900 Wp
Start-up power	< 5 W		8,5 W	
Operating voltage range	70 - 290 V	80 - 375 V	125 - 450 V	125 - 550 V
MPP voltage range				
at nom. power	130 - 230 V	150 - 300 V	230 - 420 V	320 - 500 V
Nom. voltage	205 V	220 V	350 V	400 V
Max. voltage	290 V	375 V	500 V	630 V
Number of inputs	1 MPP tracker and 1 set Amphenol DC connections		1 MPP tracker + 1 set MultiContact MC4 connectors	
Efficiency MPP trackers				
(static/dynamic)	99.9 % / 99.7 %	99.9 % / 99.7 %	99.9 % / 99.8 %	99.9 % / 99.8 %
Nom. input current	8.6 A	11 A	1x 10 A	1x 10 A
DC protection	surge arresters, class III according to IEC 61643-1			
Number of panels	4-5	6-8	8-11	10-15

GRID OUTPUT (AC)

Grid voltage	230 V +15% / -20%			
Nom. output power	1050 W	1575 W	2200 VA	3000 VA
Max. output power	1050 W	1575 W	2310 VA	3150 VA
Max. output current	5.1 A	7.6 A	10.5 A	14.3 A
Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Power factor	> 0.99	> 0.99	> 0.99	> 0.99
Standby power	< 0.5 W	< 0.5 W	< 1 W	< 1 W
EU efficiency	94.4 %	95.0 %	96.2 %	96.2 %
Max. efficiency	95.3 %	95.6 %	97.1 %	97.1 %
AC connection	0.75 - 4 mm ² push-in connector	0.75 - 4 mm ² push-in connector	Amphenol IP67 connector, suitable for 2.5 - 6 mm ² cables	

REGULATIONS & DIRECTIVES

CE conformity	yes	yes	yes	yes
Approved for use in	DE, SP, IT, NL, UK, DK, FR, BE, GR, AT, IE, BG, CZ, PL			
Nat. grid requirements	VDE0126-1-1; VDE-AR-N4105; RD1699; G83/2; C10/11; EN50438			

COMMUNICATION & MONITORING

Display	three LED indicators	three LED indicators	three LED indicators	three LED indicators
Diagnostics	IntelliWeb	IntelliWeb	IntelliWeb	IntelliWeb
Communication	WiFi	WiFi	WiFi	WiFi

Subject to alterations. For our complete product range please visit www.mastervoltsolar.com