

SOLPLUS 35

Technical Data



DC input

Max. DC power	4350 W
Max. DC voltage	850 V
DC start voltage	380 V
Rated input voltage	450 V
Max. MPP voltage	750 V
Min. MPP voltage	345 V
Max. input current	12.5 A
Number of MPP trackers	1

AC output

Nominal AC output	3800 W
Max. output AC	4000 W
Max. AC output voltage	253 V
Min. AC output voltage	210 V
Nominal output voltage	230V
Max. output current	16.5 A
Rated power	3800 W
Distortion factor	2 %
Rated frequency	50 Hz
Min. frequency	49.8 Hz
Max. frequency	50.2 Hz
Rated power factor	> 0.99

Mechanical data

Dimensions in mm (W x H x D) IP 21	450 x 303 x 130
Dimensions in mm (W x H x D) IP 54	510 x 315 x 130
Weight IP 21 / IP 54	18 Kg/21 Kg
Ambient temperature	-20 °C ... +60 °C
Derating	+40 °C
Topology	transformerless
Cooling concept	free convection
Noise emission	< 35 db(A)
Max. humidity	90 %
DC-plug in	2/3
Protection class	IP 21/IP 54
AC connection	Wieland RST (RST2513S)
DC connection	Tyco/LC4* (* MC4 compatible)

Subject to change without notice. Errors excepted.

Security

DC circuit breaker	✓
All-pole-sensitive leakage current monitoring unit	✓
Earth fault monitoring	✓
Lockable front	-
Kind of grid monitoring	single-phase (according to VDE 0126)
Protection class II	IEC 62103 / DIN EN 62109

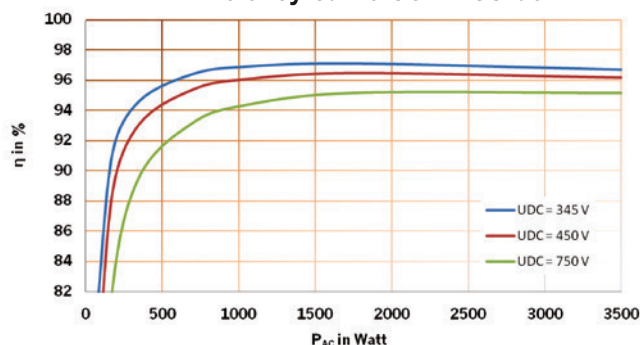
Communication

Display	20 signs, 4-line
Language	Ger/Eng/Spa/Fre/Ita/Tur/Cze
Data logger	integrated, freely programmable
Memory size	30 KB
Interface	RS485, RS232, Ethernet

Efficiency

Max. efficiency	97.3 %
Euro ETA	96.8 %

Efficiency curve SOLPLUS 35



Efficiency

Internal consumption at night	0.01 W
Internal consumption at day	< 9 W
Input from	10 W

Conformity and warranty

Conformity	www.solutronic.de
EU conformity	✓
VDEW conformity	✓
ENEL DK5940	✓
AS 4777.2	✓
Warranty	6 years
	12 years optional