

Technical data

Additional inverter



A member of Hager Group

Technical data

Additional inverter SWR12P3

Input	Additional inverter SWR12P3
Max. recommend DC-power (W)	15,000
Min. MPP voltage (V)	250
Min. MPP voltage for AC-nominal power (V)	500
Max. MPP voltage (V)	850
Max. DC-input voltage (V)	1,000
Max. DC-current per MPP-tracker (A)	18 ¹⁾
Quantity MPP-tracker	2
Component connection point gateway	4x MC4 plug

Output	Additional inverter SWR12P3
Max. AC-nominal power (230 V, 50 Hz) (W)	12,000
Max. output power (VA)	13,800
AC-nominal voltage L/N/PE (V)	3x 230
AC-nominal frequency (Hz)	50
Max. output current (per phase) (A)	20
Feed in phases / connecting phases	3 / 3
Technology	transformerless
Cos (phi)	- 0,9 ... + 0,9
Output connection system	spring clamp up to 6 mm ²⁾

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General information	Additional inverter SWR12P3
Max. round trip efficiency (%)	96,7
Solar inverter EU efficiency (%)	95
Protection class according to IEC 62103	I
Protection class according to IEC 60529	IP54
Galvanic isolation PV-ES-grid	no
Grid	3-phase grid voltage and frequency monitoring according to DIN 0126-1-1 and VDE-AR-N 4105, ÖVE/ÖNORM E 8001-4-712:2016 11 01 / TOR D4 2016-07
Overvoltage category	III
Environmental conditions	In buildings, roofed with protection from direct sunlight and snow. Air supply ensured, keep away from flammable materials.
Permissible ambient temperature (°C)	-20 up to +45
Max. relative humidity (%)	0 bis 85, not condensing
Max. operating height (m ü.NN)	2,000
Case	steel plate, aluminium
Cooling principle	temperature controller ventilation
Device safety / fire protection	EN62109-1/-2
Dimensions W x H x D (mm)	570 x 670 x 262
Dimensions incl. bracket W x H x D (mm)	570 x 670 x 268
Weight (kg)	45
Noise emission (1,5 m)	51 dBA (ventilation off) / 58 dBA (ventilation on)
Number of string-connections	2x2
DC-disconnection switch	integrated
Data interfaces	CAN (internal communication)

¹⁾ if exceeded, please check the design tool

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