



**QUALITY DESIGN | GREAT DURABILITY |
EASY INSTALLATION**

5 YEARS | *Product warranty*

General Data

Type	1KW	1,5KW	2KW	2,5KW	3KW	3,6KW	3KW-M	4KW-M	5KW-M	6KW-M
Topology	Transformless									
Consumption at Night [W]	<0,2									
Consumption at Standby [W]	6									
Operating Temperature Range	-25°C a +60°C									
Cooling Method	Natural Convection									
Ambient Humidity	0% to 100% Non-condensing									
Altitude	Up to 2000m (without derating)									
Noise [dBA]	<15					<25				
Ingress Protection	IP65 (Indoor & Outdoor Installation)									
Mounting	Rear Panel									
Dimensions (H*W*D) [mm]	315*260*120		354*305*120				800*550*280		454*355*162	
Net Weight [kg]	5,6		7,8	8,3	8,4		14,8		15,8	
Standard Warranty [Year]	5 (Standard) / 10 / 15 / 20 / 25 (Optional)									
Certificates	IEC/EN62109-1/2, EN61000-6-2/3, IEC61683, IEC60068-2, IEC62116, IEC61727, VDE0126-1-1/A1, VDE-AR-N 4105, CQC NB/T 32004, G83/2, NBR 16149, NBR 16150, C10/11, EN50438, RD1669, UNE206006, UNE206007, G59/3									

Input (DC)

Max. DC Power [W]	1200	1800	2400	3000	3630	4420	3630	4840	6050	7200
Max. DC Voltage [V]	450		500		550	600	600			
MPPT Voltage range [V]	60-425		60-450		60-500		90-550			
Nominal DC Voltage [V]	360									
Start Voltage [V]	70						100			
Min. DC Voltage [V]	50						80			
Max. DC Input Current [A]	11						11/11			
Number of MPPT	1						1/1			
Number of DC Connection Sets per MPPT	1						2			
DC Switch	Integrated									

Output (AC)

Rated AC Power [W]	1000	1500	2000	2500	3000	3680	3300	3680/4000	4600 ₂ /5000	6000
Max. AC Power [W]	1000	1500	2000	2500	3000	3680	3300	3680/4000	4600/5000	6000
Rated AC Current [A]	4,3	6,5	8,7	10,9	13	16	13	16/17,4	20/21,7	26,1
Max. AC Current [A]	4,8	7,2	9,7	12,8	14,5	16	15	16/21	22,2/25	28,7
Nominal AC voltage/ range	220V, 230V, 240V, 180V/280V									
Grid frequency/ range	50Hz, 60Hz/±5Hz									
Power factor [cos φ]	>0.99 [full load]						0,9 leading ~ 0,9 lagging			
Total Harmonic Distortion [THDi]	< 3%									
Feed-in	1L+N+PE									

Protection

Type	1KW	1,5KW	2KW	2,5KW	3KW	36KW	3KW-M	4KW-M	5KW-M	6KW-M
Internal Over-voltage Protection	Integrated									
DC Insulation Monitoring	Integrated									
DCI Monitoring	Integrated									
GFCI Monitoring	Integrated									
Grid Monitoring	Integrated									
AC Short Circuit Current Protection	Integrated									
Thermal Protection	Integrated									
Anti-PID Module	AFD									

Interface

DC Connection	MC4/H4
AC Connection	Plug-in connector
LCD Display	LCD (16x2 Characters, Backlight) / LED (3 Lights)
Display Language	English
Datalogger & Communication	RS232 (Standard) / Wi-F (Optional)

Efficiency

Max. Efficiency	97,1%-97,9%
Euro Efficiency (at 600Vdc)	96,6%-97,5%
MPPT Accuracy	>99,9%

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