

Three phase 4/5/6/7/8/10 K-G



Max. Efficiency
98.3%



2 MPPT



RS485/RS232



Internal SPD



Zero Export



IP65
Ingress Protection



High Power
Factor



High Surge
Endurance

TOPIN

Green Power Solution

String Inverter

Technical Specifications

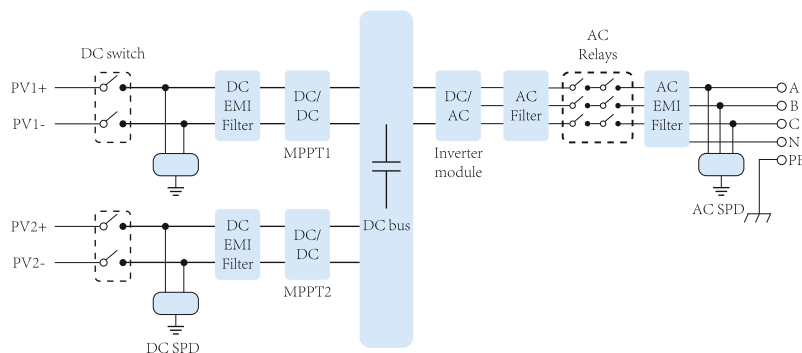
Output Side

	4K-G	5K-G	6K-G	7K-G	8K-G	10K-G
Rated Output Power [kW]	4	5	6	7	8	10
Max. Active Power [kW]	4.4	5.5	6.6	7.7	8.8	11
Rated AC Grid Voltage [V]	380/400					
AC Grid Voltage Range [V]	277~460					
Rated Grid Frequency [Hz]	50/60 (Optional)					
Operating Phase	Three phase					
Rated AC Grid Output Current [A]	5.8	7.2	8.7	10.1	11.6	14.5
Max. AC Output Current [A]	6.38	8	9.57	11.11	12.76	16
Output Power Factor	>0.99					
Grid Current THD	<3%					
DC Injection Current	<0.5%					
Grid Frequency Range	47~52 or 57~62 (Optional)					

Input Side

	4K-G	5K-G	6K-G	7K-G	8K-G	10K-G
Max. DC Power [kW]	5.2	6.5	7.8	9.1	10.4	12
Max. DC Input Voltage [V]	900					
Start-up DC Input Voltage [V]	250					
MPPT Operating Range [V]	200~800					
Max. DC Input Current [A]	10+10					
MPPT Number / Strings	2/1					

Circuit block diagram



Protections

DC Reverse-Polarity Protection	Yes
AC Short Circuit Protection	Yes
AC Output Overcurrent Protection	Yes
Output Overvoltage Protection	Yes
Insulation Resistance Protection	Yes
Ground Fault Monitoring	Yes
Surge Protection	Yes
Islanding Protection	Yes
Temperature Protection	Yes
Integrated DC Switch	Optional

General Data

Size [mm]	385W×479H×184D
Weight [kg]	15
Topology	Transformerless
Internal Consumption	<1W (Night)
Running Temperature	-25~+60°C
Ingress Protection	IP65
Noise Emission (Typical)	<30dB
Cooling Concept	Intelligent cooling
Operating Altitude Without Derating	<2000m
Designed Lifetime	>20 years
Operating Surroundings Humidity	0-100%
Energy source	Grid-connected PV

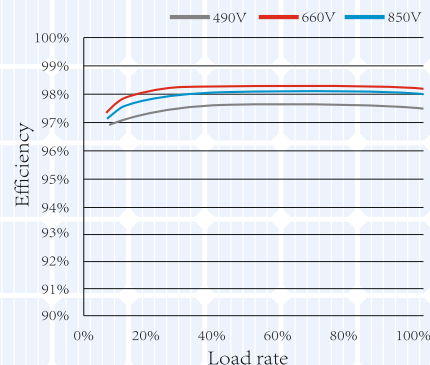
Features

DC Connection	MC-4 mateable
AC Connection	IP65 rated plug
Display	LCD1602
Interface	RS485/RS232

Standards

Grid Connection	EN50438, IEC61727, VDE4105, NB/T32004(CQC), IEC62109-1-2
Stafty EMC	IEC62109-1/-2, EN61000-6-1, EN61000-6-3

Efficiency curve



Max. Efficiency 98.3%

Euro Efficiency 97.5%

MPPT Efficiency >99%



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