

Growatt 7000~8000MTL-S

- Maximum efficiency 98.4%
- Dual MPP trackers
- DC/AC ratio 131%
- Supports export control



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Growatt

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Datasheet	7000MTL-S	8000MTL-S
Input Data		
Max. recommended PV power (for module STC)	9100W	10500W
Max. DC voltage	550V	550V
Start voltage	100V	100V
Nominal voltage	360V	360V
MPP voltage range	70-550	70-550
No. of MPP trackers	2	2
No. of PV strings per MPP trackers	2/1	2/1
Max. input current per MPP trackers	2*12.5A/12.5A	2*12.5A/12.5A
Max. short-circuit current per MPP trackers	32A/16A	32A/16A
DC overvoltage category	Category II	Category II
Output (AC)		
AC nominal power	7kW	8.2kW
Max. AC apparent power	7kVA	8.2kVA
Nominal AC voltage/range	230/160~300V	230/160~300V
AC grid frequency/range	50-60Hz/44-55Hz;54-65Hz	50-60Hz/44-55Hz;54-65Hz
Max. output current	33.5A	35.7A
Power factor(@nominal power)	>0.99	>0.99
Adjustable power factor	0.8leading... 0.8lagging	0.8leading... 0.8lagging
THDi	<3%	<3%
AC grid connection type	Single phase	Single phase
AC overvoltage category	Category III	Category III
Efficiency		
Max. efficiency	98.4%	98.4%
Euro-eta	97.9%	97.9%
Protection Devices		
DC reverse-polarity protection	yes	yes
DC switch	yes	yes
DC Surge protection	Type III	Type III
Insulation resistance monitoring	yes	yes
AC surge protection	Type III	Type III
AC short-circuit protection	yes	yes
Ground fault monitoring	yes	yes
Grid monitoring	yes	yes
Anti-islanding protection	yes	yes
Residual-current monitoring unit	yes	yes
General Data		
Dimensions (W / H / D) in mm	419/355/185	419/355/185
Weight	18.3 kg	18.3 kg
Operating temperature range	- 25 °C ... + 60 °C	- 25 °C ... + 60 °C
Noise emission (typical)	≤ 25 dB(A)	≤ 25 dB(A)
Altitude	3000m	3000m
Internal consumption at night	<0.5W	<0.5W
Topology	transformerless	transformerless
Cooling	Natural convection	Natural convection
Protection degree	IP65	IP65
Relative humidity	0~100%	0~100%
DC connection	VP-D4/MC4(Optional)	VP-D4/MC4(Optional)
AC connection	AC connector	AC connector
Features		
Display	LCD+LED	LCD+LED
RS485/RS232	Integrated	Integrated
WIFI/GPRS/4G/LAN/ RF	Optional	Optional
Warranty:5/10 years	Yes/ Optional	Yes/ Optional

AS/NZS 4777.2, EN 50438,IEC 62116,IEC 61727

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