

Growatt 10000~15000TL3-S-(AU)

- Max. Efficiency 98.4%
- Dual MPP trackers
- Supports export limitation
- Integrated DC switch
- Max. DC voltage 1000VDC
- Natural cooling



P O W E R
- I N G O
T O M O -
R R O W O



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Datasheet	10000TL3-S-AU	12000TL3-S	13000TL3-S	15000TL3-S
Input Data				
Max. recommended PV power (for module STC)	13000W	15600W	16900W	19500W
Max. DC voltage			1100V	
Start Voltage			160V	
MPP work voltage range			200V-1000V	
Nominal voltage			600V	
Max. input current			20A/10A	
Max. short-circuit current per MPP tracker			32A/16A	
Number of independent MPP trackers/strings per MPP tracker			2/2+1	
Output (AC)				
Rated AC output power	10kW	12kW	13kW	15kW
Max. AC apparent power	11kVA	13.2kVA	14.3kVA	16.5kVA
Max. output current	16.7A	19A	20.6A	23.8A
Out put AC voltage			230V/400V 50/60Hz	
Power factor			0.8leading - 0.8lagging	
THDi			<3%	
AC grid connection type			3W+N+PE	
Efficiency				
Max. efficiency			98.3%	
Euro - eta			98%	
MPPT efficiency			99.5%	
Protection Devices				
DC reverse polarity protection			yes	
DC switch			yes	
Output over current protection			yes	
Output AC overvoltage Protection - Varistor			yes	
Ground fault monitoring			yes	
Grid monitoring			yes	
Integrated all-pole sensitive leakage current monitoring unit			yes	
General Data				
Dimensions (W / H / D) in mm			480/448/200	
Weight			23.5kg	
Operating temperature range			-25 °C ... +60 °C	
Noise emission (typical)			≤35 dB(A)	
Self-Consumption (night)			<0.5W	
Topology			Transformerless	
Cooling concept			Natural	
Environmental Protection Rating			IP65	
Altitude			3000m	
Relative Humidity			0~100%	
Features				
DC connection			H4/MC4(opt)	
AC connection			Screw terminal	
Display			LCD	
Interfaces:RS232/RS485/RF/Ethernet/Wi-Fi			yes/yes/opt/opt/opt	
Warranty:5 years/10 years			yes/opt	

CE, IEC 62109-1/2, VDE 0126-1-1, Greece, VFR 2014, VDE-AR-N4105, G83, EN50438, CEI 0-21, AS4777, IEC 61727, IEC 62116, CQC