

Growatt 3000~6000TL3-S

- Max. Efficiency 98%
- 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



Datasheet	3000TL3-S	4000TL3-S	5000TL3-S	6000TL3-S
Input Data				
Max. recommended PV power (for module STC)	4000W	5320W	6650W	7980W
Max. DC voltage	1000V			
Start Voltage	140V			
MPP work voltage range	160V-1000V			
Nominal voltage	620V			
Max. input current	11A/11A			
Number of independent MPP trackers/strings per MPP tracker	2/1			
Output (AC)				
Rated AC output power	3000W	4000W	5000W	6000W
Max. AC apparent power	3000VA	4000VA	5000VA	6000VA
Max. output current	5.1A	6.8A	8.5A	10.2A
AC nominal voltage	230V/400V; 320-478V			
AC grid frequency	50Hz/60Hz , ±5Hz			
Power factor	0.8leading - 0.8laging			
THDi	<3%			
AC grid connection type	3W+N+PE			
Efficiency				
Max. efficiency	97.5%	97.8%	98.0%	
Euro - eta	96.5%	96.7%	96.9%	97.1%
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	21.2kg			
Operating temperature range	-25 °C ... +60 °C			
Noise emission (typical)	≤35 dB(A)			
Altitude	3000m			
Self-consumption night	< 0.5W			
Topology	Transformerless			
Cooling concept	Natural			
Environmental Protection Rating	IP65			
Relative humidity	0~100%			
Features				
DC connection	H4/MC4(opt)			
AC connection	Connector			
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, UTE C 15-712, VDE-AR-N4105, G83, EN50438, CEI 0-21, AS4777, IEC 61727, IEC 62116, CQC				