

Growatt 30000 TL3-(N)S

- Max. Efficiency 99%
- Dual MPP trackers
- Anti-PID function
- Type II DC and AC SPDs
- String fuse and string monitoring
- Supports Export limitation



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



Input Data

Max recommended PV Power (for module STC)	37500W			
Max DC voltage	1000V			
Start Voltage	250V			
MPPT voltage range	200V-1000V			
Nominal voltage	580V			
Max. input current	34A/34A			
Max. input current per string	12A			
Number of MPP trackers / strings per MPP tracker	2/4			

Output (AC)

Rated AC output power	30kW			
Max. AC apparent power	33.3kVA			
Max. output current	48.3A			
AC nominal voltage	230V/400V			
AC grid frequency	50Hz/60Hz			
Power factor	0.8 leading - 0.8 lagging			
THDi	<3%			
AC grid connection type	3W+N+PE			

Efficiency

Max. efficiency	98.9%			
Euro - eta	98.4%			
MPPT efficiency	99.5%			

Protection Devices

DC reverse polarity protection	yes			
DC Switch	yes			
DC Surge protection	Type II			
Ground fault monitoring	yes			
Output short circuit protection	yes			
AC Surge protection	Type II			
String Fuse protection	yes			
String fault monitoring	yes			
Anti-PID protection	yes			

General Data

Dimensions (W / H / D) in mm	470/754/270			
Weight	48kg			
Operating temperature range	-25 °C ... +60 °C			
Noise emission (typical)	≤40 dB(A)			
Altitude	4000m			
Self-consumption night	< 1W			
Topology	Transformerless			
Cooling concept	Smart cooling			
Environmental Protection Rating	IP65			
Relative humidity	0~100%			

Features

Display	Graphic LCD			
Interfaces: RS232/R485/WIFI/LAN/GPRS	yes / yes / opt / opt / opt			
Warranty:5 years / 10 years	yes / opt			

CE, IEC 62109-1/2, IEC 61727, IEC 62116, VDE 0126-1-1, Greece, VFR 2014, CEI 0-21, CEI 0-16, VDE-AR-N4105, EN50438, G99, AS 4777, PEA, IEC 60529, IEC 60068, IEC 61683, DRRG