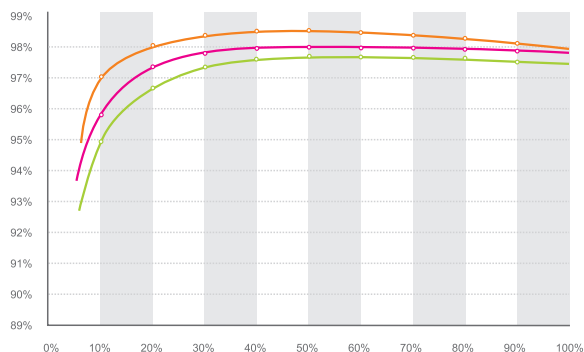


Leading - edge Technology

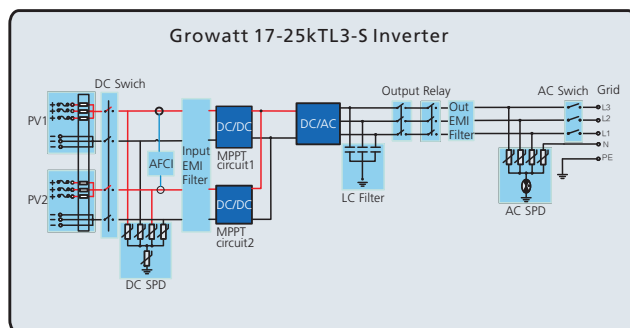
- ▶ Maximum efficiency of 98.7%
- ▶ Multi MPP controller and MTL string
- ▶ 6 strings intelligent monitoring and Fuse protection
- ▶ Leading IPM (Intelligent Power Module), more reliable
- ▶ Internal DC switch and Transformerless
- ▶ Type II surge arresters for both DC and AC
- ▶ Anti-PID for PV module
- ▶ Supporting AC power supply
- ▶ Compact design and easy installation
- ▶ Comprehensive warranty program



Growatt 25000TL3-S efficiency



Growatt 17-25kTL3-S topology



Datasheet

Input Data

Max recommended PV Power (for module STC)	21250W
Max DC voltage	1000V
Start Voltage	250V
PV voltage range	200V - 1000V
Nominal voltage	580V
Full load MPP voltage range	400V - 800V
Max. input current	37.5A
Max. input current per string	45A
Number of MPP trackers / strings per MPP tracker	2/3

Growatt 17000TL3-S

21250W
1000V
250V
200V - 1000V
580V
400V - 800V
37.5A
45A
2/3

Growatt 20000TL3-S

25000W
1000V
250V
200V - 1000V
580V
400V - 800V
37.5A
45A
2/3

Growatt 25000TL3-S

31250W
1000V
250V
200V - 1000V
580V
400V - 800V
37.5A
45A
2/3

Output (AC)

Rated AC output power	17000W
Max. AC apparent power	18800VA
Max. output current	27.5A
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

17000W
18800VA
27.5A
230V/400V
50Hz/60Hz
0.8 leading - 0.8 lagging
<3%
3W+N+PE

20000W
22200VA
32.2A
230V/400V
50Hz/60Hz
0.8 leading - 0.8 lagging
<3%
3W+N+PE

25000W
27700VA
40.3A
230V/400V
50Hz/60Hz
0.8 leading - 0.8 lagging
<3%
3W+N+PE

Efficiency

Max. efficiency	98.7%
Euro - eta	98.4%
MPPT efficiency	99.5%

98.7%
98.4%
99.5%

98.7%
98.4%
99.5%

98.7%
98.4%
99.5%

Protection Devices

DC reverse polarity protection	yes
DC Switch for each MPPT	yes
DC Surge protection	Class II
Ground fault monitoring	yes
Output short circuit protection	yes
AC Surge protection	Class II
String Fuse protection	yes
String fault monitoring	yes
Anti-PID protection	yes
AFCI protection	opt

yes
yes
Class II
yes
yes
Class II
yes
yes
yes
opt

yes
yes
Class II
yes
yes
Class II
yes
yes
yes
opt

yes
yes
Class II
yes
yes
Class II
yes
yes
yes
opt

General Data

Dimensions (W / H / D)	470/754/270 mm
Weight	48kg
Operating temperature range	-25 °C ... +60 °C
Noise emission (typical)	≤50 dB(A)
Self-Consumption (night)	<1W
Topology	Transformerless
Cooling concept	Smart cooling
Environmental Protection Rating	IP65
Altitude	4000m
Relative Humidity	0~100%

470/754/270 mm
48kg
-25 °C ... +60 °C
≤50 dB(A)
<1W
Transformerless
Smart cooling
IP65
4000m
0~100%

470/754/270 mm
48kg
-25 °C ... +60 °C
≤50 dB(A)
<1W
Transformerless
Smart cooling
IP65
4000m
0~100%

470/754/270 mm
48kg
-25 °C ... +60 °C
≤50 dB(A)
<1W
Transformerless
Smart cooling
IP65
4000m
0~100%

Features

Display	LED+ LCD
Interfaces: RS232/R485/WiFi	yes / yes / opt
Warranty: 5 years / 10 years	yes / opt

LED+ LCD
yes / yes / opt
yes / opt

LED+ LCD
yes / yes / opt
yes / opt

LED+ LCD
yes / yes / opt
yes / opt

Certificates and Approvals