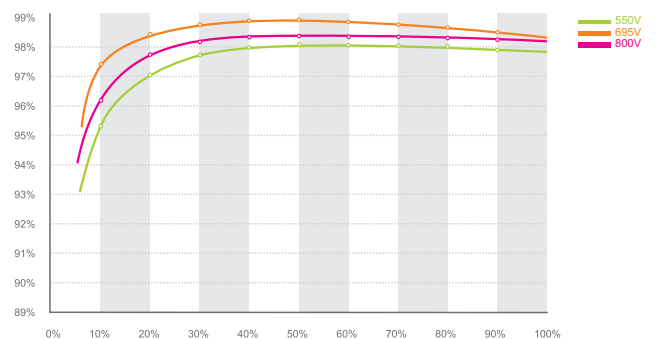




Leading - edge Technology

- ▶ Maximum efficiency of 98.8%
- ▶ Compact design
- ▶ Sound control
- ▶ Multi MPP controller
- ▶ MTL string
- ▶ Internal DC switch
- ▶ Optional AC switch
- ▶ Transformerless
- ▶ Smart string monitoring
- ▶ Supporting AC power supply
- ▶ Easy installation
- ▶ Comprehensive warranty program
- ▶ Optional Fuse protection/Anti-PID/AFCI

Growatt 40000 TL3-S efficiency



GROWATT NEW ENERGY TECHNOLOGY Co.,LTD

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Datasheet**Growatt 33000TL3-S****Growatt 40000TL3-S****Input Data**

Max. DC power
 Max DC voltage
 Start Voltage
 PV voltage range
 Nominal voltage
 Full load MPP voltage range
 Max. input current
 Max. input current per string
 Number of MPP trackers / strings per MPP tracker

36300W
 1000V
 250V
 200V - 1000V
 580V
 480V - 800V
 36A / 36A
 12A
 2/4

44000W
 1000V
 250V
 200V - 1000V
 695V
 570V - 800V
 36A / 36A
 12A
 2/4

Output (AC)

Rated AC output power
 Max. AC apparent power
 Max. output current
 AC nominal voltage
 AC grid frequency
 Power factor
 THDi
 AC grid connection type

33KW
 33KVA
 50A
 230V/400V
 50/60Hz
 0.8 leading - 0.8 lagging
 <3%
 3W+N+PE

40KW
 40KVA
 50A
 277V/480V
 50/60Hz
 0.8 leading - 0.8 lagging
 <3%
 3W+PE

Efficiency

Max. efficiency
 Euro - eta
 MPPT efficiency

98.8%
 98.4%
 99.5%

98.8%
 98.4%
 99.5%

Protection Devices

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

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

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

General Data

Dimensions (W / H / D)
 Weight
 Operating temperature range
 Noise emission (typical)
 Self-Consumption (night)
 Topology
 Cooling concept
 Environmental Protection Rating
 Altitude
 Relative Humidity

510/755/272 mm
 48kg
 -25 °C ... +60 °C (with derating above 45°C)
 ≤ 40 dB(A)
 <6W(AC power supply)
 Transformerless
 Smart cooling
 IP 65
 2000m without derating
 0~100%

510/755/272 mm
 48kg
 -25 °C ... +60 °C (with derating above 45°C)
 ≤ 40 dB(A)
 <6W(AC power supply)
 Transformerless
 Smart cooling
 IP 65
 2000m without derating
 0~100%

Features

Display
 Interfaces: RS232/R485/WiFi/LAN/GPRS
 Warranty: 5 years / 10 years

Graphic LCD
 yes / yes / opt / opt / opt
 yes / opt

Graphic LCD
 yes / yes / opt / opt / opt
 yes / opt

Certificates and Approvals

IEC 62109, CE, G59, VDE 0126-1-1, CQC