

Leading - edge Technology

High Yields

- ▶ Power rating up to 75kW
- ▶ Max. efficiency up to 99%
- ▶ 6 MPPTs, fits to hilly ground and larger rooftop

Smart

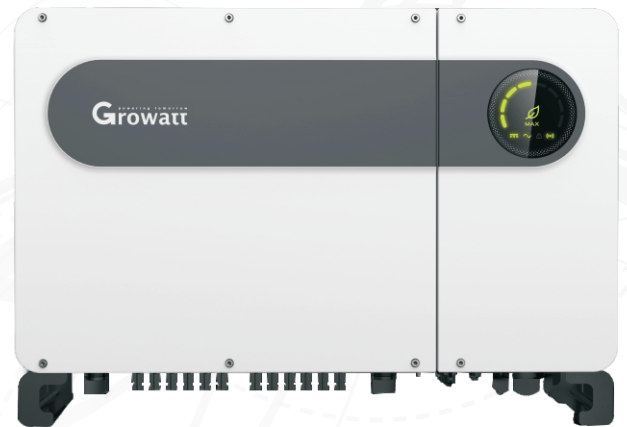
- ▶ DC and AC power supply, 24h monitoring
- ▶ Smart string I-V diagnosis, active string problem detective

Safe&Reliable

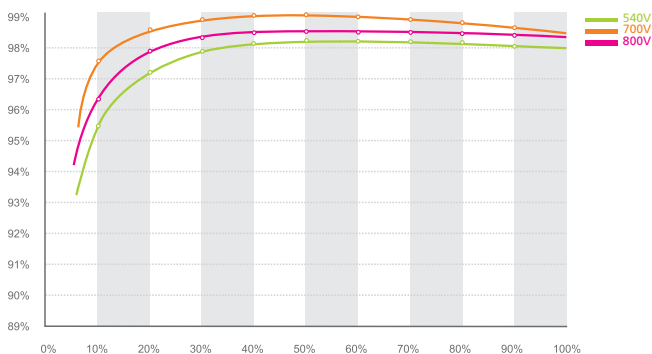
- ▶ Type II surge arrester for both DC and AC
- ▶ Anti-PID and AFCI function optional
- ▶ IP65 protection degree

Easy Maintenance

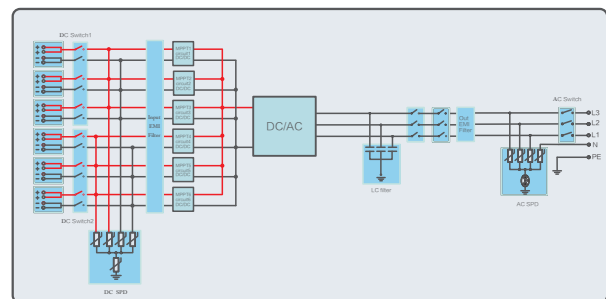
- ▶ 12 strings intelligent monitoring, and fast trouble-shooting
- ▶ Smart local and remote maintenance, saving service time and cost



MAX 75KTL3 LV efficiency



MAX 75KTL3 LV topology



Datasheet

MAX 75KTL3 LV

Input Data

Max.DC power	97500W
Max.DC voltage	1100V
Start Voltage	250V
PV voltage range	200V-1000V
Nominal voltage	700V
Full load DC voltage range	700V-850V
Max. input current per MPPT	25A
Number of MPP trackers / strings per MPP tracker	6/2

Output (AC)

Rated AC output power	75000W
Max. AC apparent power	83300VA
Max. output current	120.7A
AC nominal voltage	220V/380V
AC grid frequency	50Hz/60Hz
Power factor	0.8leading ...0.8lagging
THDi	<3%
AC grid connection type	3W+N+PE

Efficiency

Max. efficiency	98.8%
Euro - eta	98.3%
MPPT efficiency	99.9%

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 fault monitoring	yes
Anti-PID protection	opt
AFCI protection	opt

General Data

Dimensions (W / H / D)	860/600/300mm
Weight	82kg
Operating temperature range	-25°C ... +60°C
Noise emission (typical)	≤55dB(A)
Self-Consumption	< 1W*
Topology	Transformerless
Cooling concept	Smart cooling
Environmental Protection Rating	IP65
Altitude	4000m
Relative Humidity	0-100%

Features

Display	LED/WIFI+APP
Interfaces : USB/R485/PLC/GPRS/4G	yes / yes / opt / opt / opt
Warranty:5 years / 10 years	yes / opt

Certificates and Approvals

AS/NZS 4777.2, CEI 0-21, CEI 0-16, VDE-AR-N 4105 DIN V, VDE V 0126-1-1 UTE C 15-712-1 EN 50438 IEC 60068, IEC 61683, IEC 62116, IEC 61727, MEA, PEA, DRRG/DEWA-2016, BDEW, G59/3, EN61000-6-2, EN61000-6-4, EC/EN62109-1, IEC/EN62109-2

* If use AC power supply, self-consumption at night <25W