

## Leading - edge Technology

### High Yields

- ▶ Power rating up to 80kW
- ▶ Max. efficiency up to 99%
- ▶ 6 MPPTs, fits to hilly ground or larger rooftop

### Smart

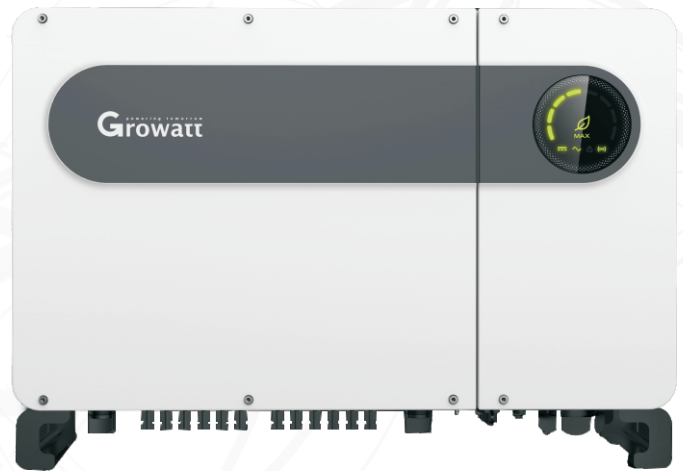
- ▶ DC and AC power supply, 24h monitoring
- ▶ Smart string I-V diagnosis, active string problem detective

### Safe&Reliable

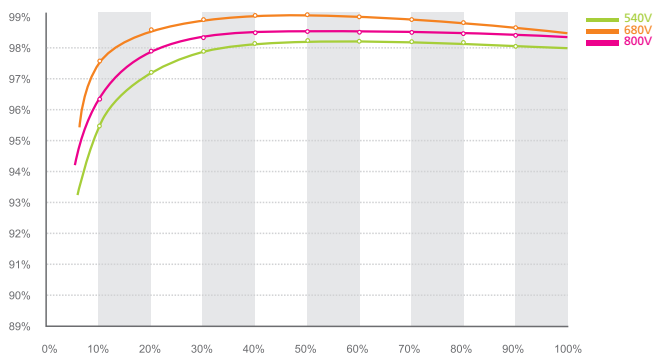
- ▶ Type II surge arrester for both DC and AC
- ▶ Anti-PID and AFCI function optional
- ▶ IP65 protection degree

### Easy Maintenance

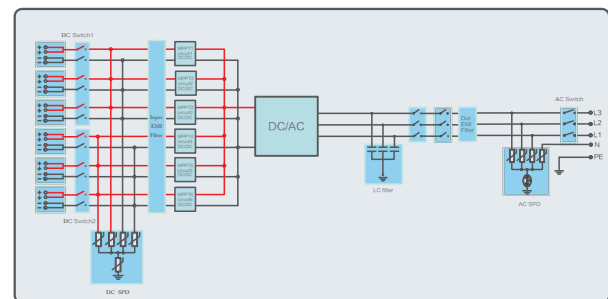
- ▶ 12 strings intelligent monitoring, and fast trouble-shooting
- ▶ Smart local and remote maintenance, saving service time and cost



MAX 80KTL3 MV efficiency



MAX 60-80KTL3 MV topology



Datasheet	MAX 60KTL3 MV	MAX 70KTL3 MV	MAX 80KTL3 MV
<b>Input Data</b>			
Max.DC power	78000W	91000W	104000W
Max.DC voltage	1100V	1100V	1100V
Start Voltage	250V	250V	250V
Nominal voltage	700V	700V	700V
MPP voltage range	200V-1000V	200V-1000V	200V-1000V
Full load DC voltage range	520V-850V	600V-850V	685V-850V
Max. input current per MPPT	22A	22A	22A
Strings per MPPT	2	2	2
Number of MPP trackers / strings per MPP tracker	6/2	6/2	6/2
<b>Output (AC)</b>			
Rated AC output power	60000W	70000W	80000W
Max. AC apparent power	66600VA	77700VA	88800VA
Max. output current	80.2A	93.6A	107A
AC nominal voltage / range	277V/480V	277V/480V	277V/480V
AC grid frequency / range	50/60 Hz	50/60 Hz	50/60 Hz
Power factor	0.8leading ...0.8lagging	0.8leading ...0.8lagging	0.8leading ...0.8lagging
THDi	<3%	<3%	<3%
AC grid connection type	3W+PE	3W+PE	3W+PE
<b>Efficiency</b>			
Max. efficiency	99.0%	99.0%	99.0%
Euro - eta	98.5%	98.5%	98.5%
MPPT efficiency	99.9%	99.9%	99.9%
<b>Protection Devices</b>			
DC reverse polarity protection	yes	yes	yes
DC Switch	yes	yes	yes
DC Surge protection	Type II	Type II	Type II
Ground fault monitoring	yes	yes	yes
Output short circuit protection	yes	yes	yes
AC Surge protection	Type II	Type II	Type II
String fault monitoring	yes	yes	yes
Anti-PID protection	opt	opt	opt
AFCI protection	opt	opt	opt
<b>General Data</b>			
Dimensions (W / H / D)	860/600/300mm	860/600/300mm	860/600/300mm
Weight	82kg	82kg	82kg
Operating temperature range	-25°C ... +60°C	-25°C ... +60°C	-25°C ... +60°C
Noise emission (typical)	≤55dB(A)	≤55dB(A)	≤55dB(A)
Self-Consumption (night)	< 1W*	< 1W*	< 1W*
Topology	Transformerless	Transformerless	Transformerless
Cooling concept	Smart fan cooling	Smart fan cooling	Smart fan cooling
Environmental Protection Rating	IP65	IP65	IP65
Altitude	4000m	4000m	4000m
Relative Humidity	0-100%	0-100%	0-100%
<b>Features</b>			
Display	LED/WIFI+APP	LED/WIFI+APP	LED/WIFI+APP
Interfaces : USB/R485/GPRS	yes / yes / opt	yes / yes / opt	yes / yes / opt
Warranty:5 years / 10 years	yes / opt	yes / opt	yes / opt

#### Certificates and Approvals

CQC, CE, VDE 0126-1-1, VDE-AR-N4105, EN50438, IEC 62116, IEC61727, AS 4777

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