

# MAX 150KTL3-X LV

- 10 MPPTs fusefree design
- Max. string current up to 22.5A
- Smart I/V scan and diagnosis
- Intelligent string monitoring
- AC&DC type II SPD
- IP66 protection



**GROWATT**



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Datasheet		MAX 150KTL3-X LV
Input data (DC)		
Max. recommended PV power (for module STC)		225000W
Max. DC voltage		1100V
Start voltage		195V
Nominal voltage		600V
MPP voltage range		180V-1000V
No. of MPP trackers		10
No. of PV strings per MPP tracker		6*2+4*3
Max. input current per MPP tracker		45A
Max. short-circuit current per MPP tracker		56.5A
Output data (AC)		
AC nominal power		150000W@380V, 400V/150000W@50°C, 400V
Max. AC apparent power		165000VA
Nominal AC voltage (range*)		220V/380V, 230V/400V (340-440V)
AC grid frequency (range*)		50/60 Hz(45~55Hz/55~65 Hz)
Max. output current		250.7A@380V 238.2A@400V
Adjustable power factor		0.8leading ... 0.8lagging
THDi		<3%
AC grid connection type		3W/N/PE
Efficiency		
Max.efficiency		98.8%
European efficiency		98.4%
MPPT efficiency		99.9%
Protection devices		
DC reverse polarity protection		Yes
DC switch		Yes
AC/DC surge protection		Type II / Type II
Insulation resistance monitoring		Yes
AC short-circuit protection		Yes
Ground fault monitoring		Yes
String detection		Yes
Anti-PID function		Optional
Arc fault detection (AFCI)		Optional
General data		
Dimensions (W / H / D)		1075/640/367mm
Weight		93kg
Operating temperature range		-30°C ... +60°C
Nighttime power consumption		< 1W
Topology		Transformerless
Cooling		Smart air cooling
Protection degree		IP66
Relative humidity		0~100%
Altitude		4000m
DC connection		H4/MC4 (Max.6mm <sup>2</sup> )
AC connection		OT Terminal (Max. 240mm <sup>2</sup> )
Display		LED/WIFI+APP
Interfaces: RS485/USB/PLC/GPRS/4G/WiFi		Yes/Yes/Optional/Optional/Optional/Optional
Warranty: 5 years / 10 years		Yes/Optional

CE, IEC62116, IEC61727

\* The AC voltage range and frequency range may vary depending on specific country grid standard.

All specifications are subject to change without notice.