GROWATT

MAX 320~350K-X

· Maximum efficiency 99.03%

· Intelligent string breaking, active safety

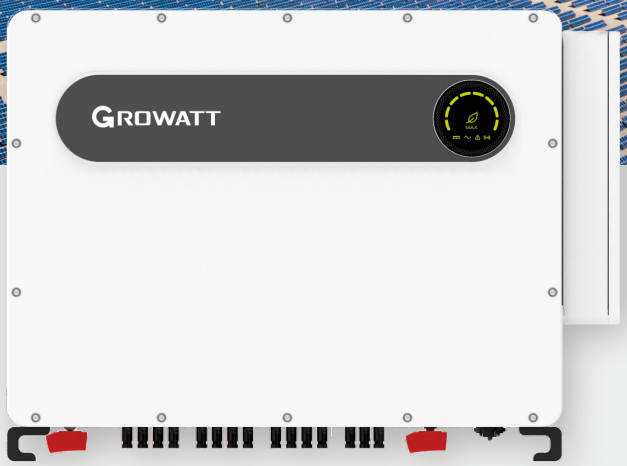
· MPPT current 80A,adapted to 182/210 components

· String detection and I/V scanning, accurate location of abnormal strings

· IP66 protection level, adaptable to harsh environments

· Supports aluminium wire access, saving AC cable cost





POWER-ING TOMO-RROW

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Datasheet	MAX 320K-X	MAX 333K-X	MAX 350K-X
Input data (DC)			
Max. recommended PV power (for module STC)	480000W	499500W	528000W
Max. DC voltage	1500V		
Start voltage	500V		
Nominal voltage	1080V		
MPP voltage range	500V-1500V		
Max. input current per MPP tracker	80A		
Max. short-circuit current per MPP tracker	100A		
No. of MPP trackers	6		
No. of PV strings per MPP tracker	5		
Output data (AC)			
AC nominal power	320000W	333000W	352000W
Max. AC apparent power	352000VA@30℃ 320000VA@45℃ 295000VA@50℃	366300VA@25℃ 333000VA@35℃ 295000VA@50℃	352000VA@30℃ 320000VA@45℃ 295000VA@50℃
Nominal AC voltage	800V		
AC output range	640-920VAC		
AC grid frequency (range*)	50/60 Hz(45~55Hz/55-65 Hz)		
Nominal output current	230.9A	240.3A	254A
Adjustable power factor	0.8leading ...0.8lagging		
THDi	< 3%		
AC grid connection type	3W+PE		
Efficiency			
Max.efficiency	99.03%		
European efficiency	98.53%		
MPPT efficiency	99.90%		
Protection devices			
DC reverse polarity protection	Yes		
DC Switch	Yes		
AC/DC surge protection	Type II / Type II		
Insulation resistance monitoring	Yes		
RCD detection	Yes		
Output short circuit protection	Yes		
String fault monitoring	Yes		
Anti -PID function	Optional		
Display/communication			
Display	LED/WIFI+APP		
Interfaces: USB/RS485/GPRS/4G/WIFI	Yes/Yes/Optional/Optional/Optional		
General data			
Dimensions (W / H / D)	1145/790/371mm		
Weight	139kg		
Operating temperature range	-30℃...+60℃		
Altitude	5000m (Derating @ 4000 m)		
Relative humidity	0~100%		
Nighttime power consumption	< 1W		
Topology	Transformerless		
Cooling	Smart air cooling		
Protection degree	IP66		
Warranty: 5 / 10 years	Yes/Optional		
CE, IEC62116, IEC61727, IEC62910, IEC 61683, IEC60068,EN50549-2/10			

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