GROWATT

MID 15-36KTL3-X3 LV

· Maximum string input current 20A

· 150% DC/AC ratio

· 4/5 MPPT, max. efficiency 98.8%

· Intelligent string monitoring, smart I-V curve scan

· AFCI function ready



POWER-ING TOMORROW

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Preliminary Version

Datasheet	MID 15KTL3-X3 LV	MID 17KTL3-X3 LV	MID 20KTL3-X3 LV	MID 22KTL3-X3 LV	MID 25KTL3-X3 LV	MID 30KTL3-X3 LV	MID 36KTL3-X3 LV
Input data (DC)							
Max. recommended PV power	22500W	25500W	30000W	33000W	37500W	45000W	54000W
Max. DC input voltage	800V						
Start voltage	200V						
Nominal input voltage	360V						
MPP voltage range	160-800V						
Full-load MPPT voltage range (certification)	250-650V						
No. of MPPTs	4					5	
Max. input strings per MPPT	2/2/2/2						
Max. input currentper MPPT	40A/40A/40A/40A						
Max. short-circuit current per MPPT	50A/50A/50A/50A					50A/50A/50A/25A	
Output Data (AC)							
Rated AC output power	15000W	17000W	20000W	22000W	25000W	30000W	36000W
Max. AC apparent power	16600VA	18800VA	22200VA	24400VA	27700VA	33300VA	36000VA
Nominal AC voltage / range	127V/220V 133V/230V						
AC grid frequency / range	50/60 Hz 45~55Hz/55-65 Hz						
Max. output current	43.7A	49.6A	58.3A	64.2A	72.9A	87.5	94.5A
Power factor(at rated power)	>0.99						
Adjustable power factor range	0.8 leading ... 0.8 lagging						
Total harmonic distortion (THD)	<3%						
AC grid connection type	3W+N+PE						
Efficiency							
Max. efficiency	98.8%						
European efficiency	98.5%						
Protection							
DC reverse-polarity protection	Yes						
DC switch	Yes						
DC surge protection	Type II						
Insulation-resistance monitoring	Yes						
AC surge protection	Type II						
AC short-circuit protection	Yes						
Ground-fault monitoring	Yes						
Grid monitoring	Yes						
Anti-islanding protection	Yes						
Residual-current monitoring	Yes						
PID detection and recovery	No						
String monitoring	Optional						
Arc-fault circuit interrupter (AFCI)	Optional						
General Data							
Dimensions (W/H/D)	580*435*230mm						
Weight	29.6 kg					30.2 kg	
Operating temperature range	-25°C ... +60°C						
Noise emission	≤55dB(A)						
Max. operating altitude	4000m(derating above 2000 m)						
Topology	Transformerless						
Cooling method	Forced air cooling						
Ingress protection rating	IP66						
Relative humidity	0~100%						
DC terminal type	H4/MC4 (optional)						
AC terminal type	Waterproof PG gland + OT terminal						
Display	LED indicator + OLED WiFi + APP						
USB/RS485	Yes						
WiFi/GPRS/4G/LAN	Optional						
Monitor	ShineWilan-X2 (for single device), ShineMaster4G-X or SEM-XA-R (for parallel devices)						
Warranty	5 years / 10 years(Optional)						
CE,IEC 61683/60068,IEC 62116/61727,RD 1699,INMETRO							

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