

LV MT Series Datasheet



Technical Data	GW30KLV-MT	GW35KLV-MT	GW50KLV-MT
DC Input Data			
Max. PV Power (W)	54000	63000	90000
Max. DC Input Voltage (V)	800	800	800
MPPT Range (V)	200~650	200~650	200~650
Starting Voltage (V)	200	200	200
Min. Feed-in Voltage (V)	210	210	210
Nominal DC Input Voltage (V)	370	370	370
Max. Input Current per MPPT (A)	33/33/22/22	33	44
Max. Short Circuit Current per MPPT (A)	41.5/41.5/27.5/27.5	41.5	55
No. of MPP Trackers	4	4	4
No. of Input Strings per Tracker	3/3/2/2	3	4
AC Output Data			
Nominal Output Power (W)	30000	36000	50000
	28800@208VAC	34500@208VAC	47300@208VAC
Max. AC Active Power (cosφ=1)	30000@220VAC	36000@220VAC	50000@220VAC
	33000@240VAC	39900@240VAC	55000@240VAC
Max. Output Apparent Power (VA)	33000	39900	55000
Nominal Output Voltage (V)	150-300	150-300	150-300
Nominal Output Frequency (Hz)	50/60	50/60	50/60
Max. Output Current (A)	80	96	133
Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)		
Output THDi (@Nominal Output)	<3%	<3%	<3%
Efficiency			
Max. Efficiency	98.7%	98.8%	98.7%
European Efficiency	98.3%	98.5%	98.3%
Protection			
PV String Current Monitoring	Integrated	Integrated	Integrated
Anti-Islanding Protection	Integrated	Integrated	Integrated
Input Reverse Polarity Protection	Integrated	Integrated	Integrated
Insulation monitoring	Integrated	Integrated	Integrated
DC fuse	Integrated	Integrated	Integrated
Anti-PID Function for Module	Optional	Optional	Optional
DC Surge Arrester		Integrated (Type II)	
AC Surge Arrester		Integrated (Type II)	
Residual Current Monitoring Unit	Integrated	Integrated	Integrated
AC Over Current Protection	Integrated	Integrated	Integrated
AC Short Circuit Protection	Integrated	Integrated	Integrated
AC Over Voltage Protection	Integrated	Integrated	Integrated
General Data			
Ambient Temperature Range (°C)	-30~60	-30~60	-30~60
Relative Humidity	0~100%	0~100%	0~100%
Operating Altitude (m)	≤4000	≤4000	≤4000
Cooling	Fan Cooling	Fan Cooling	Fan Cooling
Display	LCD or WiFi+APP		LED, WiFi+APP
Communication	RS485 or WiFi		RS485 & WiFi, PLC (Optional)
Weight (kg)	59	64	70
Dimension (Width*Height*Depth mm)	586*788*264	586*788*264	586*788*267
Protection Degree	IP65	IP65	IP65
Night Self Consumption (W)	<1	<1	<1
Topology	Transformerless		

*: Please visit GoodWe website for the latest certificates.