

Boost Your Power & Profit



98.8%
Max. Efficiency



Wide MPPT range
from 200V to 600V



Full-load Running
at 50°C



20% More Compact

LV-MT **30kW** **35kW**

4 MPPT 3 Phase Grid-tied Inverter

The second generation of GoodWe MT series inverter is suitable for medium and large scale commercial rooftops and ground-mounted solar PV systems where maximum versatility and profitability are important. With its compact design and power boost function, GoodWe MT G2 series can provide extreme high efficiency 98.8%, thus offering a faster return on investment.

Technical Data

GW30KLV-MT

GW35KLV-MT

DC Input Data	Max. PV Power (W)	39000	46800
	Max. DC Input Voltage (V)	800	800
	MPPT Range (V)	200~650	200~650
	Starting Voltage (V)	200	200
	MPPT Range for Full Load (V)	300~650	300~650
	Nominal DC Input Voltage (V)	370	370
	Max. Input Current (A)	30/30/20/20	30/30/30/30
	Max. Short Current (A)	38/38/25/25	38/38/38/38
	No. of MPP Trackers	4	4
	No. of Input Strings per Tracker	3/3/2/2	3/3/3/3
AC Output Data	Nominal Output Power (W)	30000	36000
	Max. Output Power (W) [208VAC]	28800	34500
	Max. Output Power (W) [220VAC]	30000	36000
	Max. Output Power (W) [240VAC]	33000	39900
	Max. Output Apparent Power (VA)	33000	39900
	Nominal Output Voltage (V)	150-300	150-300
	Nominal Output Frequency (Hz)	50/60	50/60
	Max. Output Current (A)	80	96
	Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)	~1 (Adjustable from 0.8 leading to 0.8 lagging)
	Output THDi (@Nominal Output)	<3%	<3%
Efficiency	Max. Efficiency	98.7%	98.8%
	Europe Efficiency	98.3%	98.5%
	MPPT Efficiency	99.9%	99.9%
Protection	PV String Current Monitoring	Integrated	Integrated
	Anti-islanding Protection	Integrated	Integrated
	Input Reverse Polarity Protection	Integrated	Integrated
	Insulation monitoring	Integrated	Integrated
	DC fuse	Integrated	Integrated
	Anti-PID Function for Module	Optional	Optional
	DC SPD Protection	Integrated(Type II)	Integrated(Type II)
	AC SPD Protection	Integrated(Type II)	Integrated(Type II)
	Residual Current Monitoring Unit	Integrated	Integrated
	AC Over Current Protection	Integrated	Integrated
	AC Short Protection	Integrated	Integrated
	AC Over Voltage Protection	Integrated	Integrated
Certifications & Standards	Grid Regulation	VDE V 0126-1-1, VDE-AR-N 4105 AS/NZS 4777.2, EN50438,G59, IEC61727, IEC62116	
	Safety Regulation	IEC62109-1&-2	
	EMC Regulation	EN 6100-6-4: 2007+A1: 2011, EN 61000-6-2: 2005, EN 61000-3-11: 2000, EN 61000-3-12: 2011+AC: 2013	
General Data	Ambient Temperature Range (°C)	-30~60	-30~60
	Relative Humidity	0~100%	0~100%
	Operating Altitude (m)	≤4000	≤4000
	Cooling	Fan Cooling	Fan Cooling
	Display	LCD or WiFi+APP	LCD or WiFi+APP
	Communication	RS485 or WiFi	RS485 or WiFi
	Weight (kg)	59kg	64kg
	Dimension (Width*Height*Depth mm)	586*788*264	586*788*264
	Protection Degree	IP65	IP65
	Night Self Consumption (W)	<1	<1
	Topology	Transformerless	Transformerless