



GOODWE
your solar engine



MT Series

Four-MPPT Three-Phase Solar Inverter
50kW / 60kW / 65kW / 75kW

- Maximum Efficiency up to 98.8%
- European Efficiency up to 98.5%
- MPPT Efficiency up to 99.9%
- Integrate the function of combiner box
- 4 MPP tracker
- DC & AC lightning protection function (Type II)
- Real time monitoring on up to 13 strings of panel
- IP65 dust-proof and water-proof rating
- Multiple monitoring and communication:
USB, RS485, GPRS, WiFi
- Super large 5-inch LCD

Good Quality Good Value Good Service GoodWe

Technical Data

GW50K-MT

GW60K-MT

GW65KHV-MT

GW75KHV-MT

DC Input Data

Max. allowed PV Power [W]	60000	72000	75000	80000
Nominal DC Power [W]	51500	62000	67000	77000
Max. DC voltage [V]	1000	1000	1000	1000
MPPT voltage range [V]	260~850	260~850	260~850	260~850
Starting voltage [V]	250	250	250	250
Max. DC current [A]	28 / 28 / 19 / 19	28 / 28 / 28 / 28	28 / 28 / 28 / 28	28 / 28 / 28 / 36
No. of DC connectors	10	12	12	13
No. of MPPTs	4	4	4	4
DC connector	MC4/ Phoenix/ Amphenol		MC4/ Phoenix/ Amphenol	

AC Output Data

Nominal AC power [W]	50000	60000	65000	75000
Max. AC power [W]	55000	64000	66480	75000
Max. AC current [A]	80	90	80	90
Nominal AC output	50/60Hz; 400Vac		50/60Hz; 480Vac	
AC output range	45~55Hz/55~65Hz; 310~480Vac		45~55Hz/55~65Hz; 422~528Vac	
THDi	<3%		<3%	
Power factor	0.80leading...0.80lagging		0.80leading...0.80lagging	
Grid connection	3W/N/PE		3W/PE	

Efficiency

Max. efficiency	98.7%	98.8%	98.8%	98.8%
Euro efficiency	98.3%	98.5%	98.5%	98.5%
MPPT adaptation efficiency	99.9%	99.9%	99.9%	99.9%

Protection

Residual current monitoring unit	Integrated		Integrated	
Anti-islanding protection	Integrated		Integrated	
PV array string fault monitoring	Integrated		Integrated	
DC fuse	Integrated		Integrated	
DC switch	Integrated (optional)		Integrated (optional)	
DC SPD	Type II		Type II	
AC SPD	Type II		Type II	
SPD fault monitoring	Integrated		Integrated	
AC over current protection	Integrated		Integrated	
Insulation monitoring	Integrated		Integrated	

Certifications & Standards

Grid regulation	VDE0126-1-1, AS4777.2, G59/3, VDE-AR-N 4105, EN50438, PEA	VDE0126-1-1, EN50438, G59/3, VDE-AR-N 4105, AS4777.2,	VDE0126-1-1, VDE-AR-N 4105, AS4777.2, G59/3, EN50438
Safety	EN62109-1&-2	EN62109-1&-2	EN62109-1&-2
EMC	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4		EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4

General Data

Dimensions (WxHxD)	586*915*263mm		586*915*263mm	
Weight (kg)	66kg		68kg	
Mounting	Wall bracket		Wall bracket	
Ambient temperature range	-25~60°C		-25~60°C	
Relative humidity	0~95%		0~95%	
Max. operating altitude	4000m		4000m	
Protection degree	IP65		IP65	
Topology	Transformerless		Transformerless	
Cooling	Fan cooling		Fan cooling	
Display	LCD		LCD	
Communication	USB; RS485; WiFi/GPRS		USB; RS485; WiFi/GPRS	
Standard warranty(years)	5/10/15/20/25(optional)		5/10/15/20/25(optional)	