

MT Series Datasheet



Technical Data	GW50K-MT	GW60K-MT	GW70KHV-MT	GW80KHV-MT	GW80KBF-MT
PV String Input Data					
Max. PV Power (W)	65000	80000	87500	120000	104000
Max. DC Input Voltage (V)	1000	1000	1100	1100	1100
MPPT Range (V)	200–850	200–850	200–1000	200–1000	200–1000
Start-up Voltage (V)	200	200	200	200	200
MPPT Range for Full Load (V)	520–850	520–850	550–850	500–850	540–850
Nominal DC Input Voltage (V)	620	620	750	800	800
Max. Input Current (A)	30/30/20/20	30/30/30/30	33/33/33/33	44/44/44/44	39/39/39/39
Max. Short Current (A)	38/38/25/25	38/38/38/38	41.5/41.5/41.5/41.5	55/55/55/55	54.8/54.8/54.8/54.8
No. of MPP Trackers	4	4	4	4	4
No. of Input Strings per Tracker	3/3/2/2	3/3/3/3	3/3/3/3	4/4/4/4	3/3/3/3
AC Output Data					
Nominal Output Power (W)	50000	60000	70000	80000	80000
Max. Output Power (W)	55000, 57500@415Vac	66000, 69000@415Vac	77000	88000	88000
Max. Output Apparent Power (VA)	55000, 57500@415Vac	66000, 69000@415Vac	77000	88000	88000
Nominal Output Voltage (V)	400, 3L/N/PE or 3L/PE	400, 3L/N/PE or 3L/PE	500, 3L/PE	540, 3L/PE	540, 3L/PE
Nominal Output Frequency (Hz)	50/60	50/60	50/60	50/60	50/60
Max. Output Current (A)	80	96	89	94.1	94.1
Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)				
Output THDi (@Nominal Output)	<3%	<3%	<3%	<3%	<3%
Efficiency					
Max. Efficiency	98.7%	98.8%	99.0%	99.0%	99.0%
Euro Efficiency	98.3%	98.5%	98.4%	98.4%	98.4%
MPPT Efficiency	99.9%	99.9%	99.9%	99.9%	99.9%
Protection					
PV String Current Monitoring	Integrated	Integrated	Integrated	Integrated	Integrated
Anti-islanding Protection	Integrated	Integrated	Integrated	Integrated	Integrated
Input Reverse Polarity Protection	Integrated	Integrated	Integrated	Integrated	Integrated
Insulation Monitoring	Integrated	Integrated	Integrated	Integrated	Integrated
DC fuse	Integrated	Integrated	Integrated	Integrated	Integrated
Anti-PID Function for Module	Optional	Optional	Optional	Optional	Optional
Arc-Fault Circuit-Interrupter	Optional	Optional	Optional	Optional	Optional
DC SPD Protection	Integrated (Type II)	Integrated (Type II)	Integrated (Type II)	Integrated (Type II)	Integrated (Type II)
AC SPD Protection	Integrated (Type II)	Integrated (Type II)	Integrated (Type II)	Integrated (Type II)	Integrated (Type II)
Residual Current Monitoring Unit	Integrated	Integrated	Integrated	Integrated	Integrated
AC Over Current Protection	Integrated	Integrated	Integrated	Integrated	Integrated
AC Short Protection	Integrated	Integrated	Integrated	Integrated	Integrated
AC Over Voltage Protection	Integrated	Integrated	Integrated	Integrated	Integrated