



98.2% maximum system efficiency



Wide battery voltage from 180 to 600V



100% unbalanced output



<10ms UPS-level switching



Technical Data	GW5KL-ET	GW6KL-ET	GW8KL-ET	GW10KL-E	
Battery Input Data					
Battery Type		Li-	lon		
Nominal Battery Voltage (V)	500				
Battery Voltage Range (V) Start-up Voltage (V)	180 ~ 600 180				
Start-up voltage (v) Number of Battery Input	1				
Max. Continuous Charging Current (A)	25				
Max. Continuous Discharging Current (A)	7500		5	40000	
Max. Charging Power (W) Max. Discharging Power (W)	7500 7500	7800 7800	9600 9600	10000 10000	
PV String Input Data	7300	7000	3000	10000	
Max. Input Power (W)	6650	7980	10640	13300	
Max. Input Voltage (V)*1	1000				
MPPT Operating Voltage Range (V) ⁺²			~ 850		
Start-up Voltage (V) Nominal Input Voltage (V)					
Max. Input Current per MPPT (A)	12.5	12.5	12.5 / 22.0	12.5 / 22.0	
Max. Short Circuit Current per MPPT (A)	15.2	15.2	15.2 / 27.6	15.2 / 27.6	
Number of MPP Trackers Number of Strings per MPPT	1	1	1/2	1/2	
AC Output Data (On-grid)	'	· · · · · · · · · · · · · · · · · · ·	1/2	1/2	
Nominal Output Power (W)	5000	6000	8000	10000	
Nominal Apparent Power (W) Nominal Apparent Power Output to Utility Grid (VA)	5000	6000	8000	10000	
Max. Apparent Power Output to Utility Grid (VA)*2*4	5500	6600	8800	11000	
Max. Apparent Power from Utility Grid (VA)	10000	12000	15000	15000	
Nominal Output Voltage (V) Dutput Voltage Range (V)	400 / 380, 3L / N / PE 0 ~ 300				
Nominal AC Grid Frequency (Hz)		50 / 60			
AC Grid Frequency Range (Hz)	0.5		- 65	10.5	
Max. AC Current Output to Utility Grid (A) Max. AC Current From Utility Grid (A)	8.5 15.2	10.5 18.2	13.5 22.7	16.5 22.7	
Power Factor	19.4	~1 (Adjustable from 0.8		۲۲.۱	
Max. Total Harmonic Distortion			3%		
AC Output Data (Back-up)					
Back-up Nominal Apparent Power (VA)	5000	6000	8000	10000	
Max. Output Apparent Power with Grid (VA)*3	5000 (10000@60sec)	6000 (12000@60sec)	8000 (16000@60sec)	10000 (16500@60s	
Max. Output Apparent Power with Grid (VA) ^{*3} Nominal Output Current (A)	5000 7.5	9.0	8000 12.0	10000 14.5	
Max. Output Current (A)	8.5	10.5	13.5	16.5	
Nominal Output Voltage (V)	400 / 380				
Nominal Output Frequency (Hz) Output THDv (@Linear Load)	50 / 60 <3%				
Efficiency					
Max. Efficiency		97.	6%		
European Efficiency		96.			
Max. Battery to AC Efficiency		97.	5%		
MPPT Efficiency		99.	9%		
Protection					
	Integrated Integrated				
			rated		
Residual Current Monitoring		Integ			
Residual Current Monitoring PV Reverse Polarity Protection Anti-islanding Protection		Integ Integ Integ	rated rated		
Residual Current Monitoring PV Reverse Polarity Protection Anti-islanding Protection AC Overcurrent Protection		Integ Integ Integ Integ	rated rated rated		
Residual Current Monitoring PV Reverse Polarity Protection Anti-islanding Protection AC Overcurrent Protection AC Short Circuit Protection		Integ Integ Integ Integ Integ	rated rated rated rated		
Residual Current Monitoring PV Reverse Polarity Protection Anti-islanding Protection AC Overcurrent Protection AC Short Circuit Protection AC Overvoltage Protection DC Switch		Integ Integ Integ Integ Integ	rated rated rated rated rated		
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PV Insulation Resistance Detection Residual Current Monitoring PV Reverse Polarity Protection Anti-islanding Protection AC Overcurrent Protection AC Short Circuit Protection AC Short Circuit Protection DC Switch DC Switch DC Surge Protection AC Surge Protection Remote Shutdown General Data Operating Temperature Range (°C) Relative Humidity Max. Operating Altitude (m) Cooling Method User Interface Communication with BMS'5 Communication with Meter Communication with Portal Weight (kg) Dimension (W × H × D mm) Tenology	24	Integrated	rated rated rated rated rated rated onal e III e III rated -+60 995% 00 onvection APP 5, CAN 485 icional) / 4G (Optional) 25 16 × 180	25	
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^{*1:} For 1000V system, Maximum operating voltage is 950V.

*2: According to the local grid regulation.

*3: Can be reached only if PV and battery power is enough.

*4: For Chile Max. Apparent Power Output to Utility Grid (VA) and Max. Output Power (W): GW5KL(N)-ET is 5000; GW6KL-ET is 6000; GW6.5KN-ET is 6500; GW8KL(N)-ET is 8000; GW10KL(N)-ET is 10000.

^{*5:} CAN communication is configured default. If RS485 communication is used, please replace the corresponding communication line.

*6: No Back-up Output.

*: Please visit GoodWe website for the latest certificates.