

ET Series

Three Phase Hybrid Inverter (HV Battery)



Technical Data		GW5KL-ET		GW6KL-ET		GW8KL-ET		GW10KL-ET	
Battery Input Data	Battery Type	Lithium-ion only							
	Battery Voltage Range (V)	180~600							
	Max. Charging Current (A)	25							
	Max. Discharging Current (A)	25							
	Charging Strategy for Li-Ion Battery	Self-adaption to BMS							
PV String Input Data	Max. DC Input Power (W)	6650		8000		10650		13300	
	Max. DC Input Voltage (V)* ¹	1000							
	MPPT Range (V)* ²	200~850							
	Start-up Voltage (V)	180							
	Nominal DC Input Voltage (V)* ³	620							
	Max. Input Current (A)	12.5/12.5				12.5/22			
	Max. Short Current (A)	15.2/15.2				15.2/27.6			
	No. of MPP Trackers	2							
	No. of Strings per MPP Tracker	1/1				1/2			
AC Output Data (On-grid)	Nominal Apparent Power Output to Utility Grid (VA)	5000		6000		8000		10000	
	Max. Apparent Power Output to Utility Grid (VA)* ⁴	5500		6600		8800		11000	
	Max. Apparent Power from Utility Grid (VA)	10000		12000		15000			
	Nominal Output Voltage (V)	400/380, 3L/N/PE							
	Nominal Ouput Frequency (Hz)	50/60							
	Max. AC Current Output to Utility Grid (A)	8.5		10.5		13.5		16.5	
	Max. AC Current From Utility Grid (A)	15.2		18.2		22.7		22.7	
	Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)							
	Output THDi (@Nominal Output)	<3%							
AC Output Data (Back-up)	Max. Output Apparent Power (VA)	5000		6000		8000		10000	
	Peak Output Apparent Power (VA)* ⁵	10000, 60sec		12000, 60sec		16000, 60sec		16500, 60SEC	
	Max. Ouput Current (A)	8.5		10.5		13.5		16.5	
	Nominal Output Voltage (V)	400/380							
	Nominal Ouput Frequency (Hz)	50/60							
	Output THDv (@Linear Load)	<3%							
Efficiency	Max. Efficiency	97.6%							
	Max. Battery to Load Efficiency	97.5%							
	European Efficiency	96.8%							
Protection	Anti-Islanding Protection	Integrated							
	PV String Input Reverse Polarity Protection	Integrated							
	Insulation Resistor Detection	Integrated							
	Residual Current Monitoring Unit	Integrated							
	Output Over Current Protection	Integrated							
	Output Short Protection	Integrated							
	Battery Input Reverse Polarity Protection	Integrated							
	Output Over Voltage Protection	Integrated							
General Data	Operating Temperature Range (°C)	-35~60							
	Relative Humidity	0~95%							
	Operating Altitude (m)	≤4000							
	Cooling	Nature Convection							
	Noise (dB)	<30							
	User Interface	LED & APP							
	Communication with BMS	RS485; CAN							
	Communication with Meter	RS485							
	Communication with EMS	RS485 (Insulated)							
	Communicaiton with Portal	Wi-Fi* ⁷							
	Weight (kg)	24				25			
	Size (Width*Height*Depth mm)	415*516*180							
	Mounting	Wall Bracket							
	Protection Degree	IP66							
	Standby Self Consumption (W)* ⁶	<15							
	Topology	Transformerless							

*1: For 1000V system, Maximum operating voltage is 950V. For AustraliaL safety, there will be a warning if PV voltage > 600V.

*2: For AustraliaL safety, MPPT range is 200~550V.

*3: For AustraliaL safety, nominal DC input voltage is 450V.

*4: According to the local grid regulation.

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

*6: No Back-up Output.

*7: Only compatible with 2.4Ghz network.

*8: Please visit GoodWe website for the latest certificates.

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