

The trend of increasing PV module yield is influencing overall PV system requirements. At the forefront of development, GoodWe's ET inverters efficiently meet the needs of powerful solar rooftops to facilitate energy back-up, peak shaving and load management for optimised autonomy and reduced energy cost. The ET series can be combined with a range of battery capacities and brands, including the GoodWe Lynx Home F.



Peak shaving



UPS level switching <10ms



Powerful back-up overload





Technical Data	GW15K-ET	GW20K-ET	GW25K-ET	GW29.9K-E1	
Battery Input Data					
, ·		1:	lon		
Battery Type Nominal Battery Voltage (V)			lon O		
Battery voltage range (V)	500 200 ~ 800				
Start-up Voltage (V)			30		
Number of Battery Input	1	1	2	2	
Max. Continuous Charging Current (A)	50	50	50 × 2	50 × 2	
Max. Continuous Discharging Current (A) Max. Charging Power (W)	50 15000	50 20000	50 × 2 25000	50 × 2 30000	
Max. Discharging Power (W)	15000	20000	25000	30000	
PV String Input Data	10000	20000	20000	00000	
Max. Input Power (W)*1	22500	30000	37500	45000	
Max. Input Power (V)* Max. Input Voltage (V)*2	1000			45000	
MPPT Operating Voltage Range (V)		200 ~ 850			
Start-up Voltage (V)	200				
Nominal Input Voltage (V)	620 30				
Max. Input Current per MPPT (A) Max. Short Circuit Current per MPPT (A)			88		
Number of MPP Trackers	2	3	3	3	
Number of Strings per MPPT	2/2	2/2	2/2/2	2/2/2	
AC Output Data (On-grid)			_,_,_	_,_,_	
Nominal Output Power (W)	15000	20000	25000	29900	
Nominal Output Power (w) Nominal Apparent Power Output to Utility Grid (VA)	15000	20000	25000	29900	
Max. Apparent Power Output to Utility Grid (VA)	16500	22000	27500	29900	
Max. Apparent Power from Utility Grid (VA)	22500	30000	33000	33000	
Nominal Output Voltage (V)			3L / N / PE		
Nominal AC Grid Frequency (Hz) Max. AC Current Output to Utility Grid (A) ^{*6}	25.0	33.3	/ 60 41.7	49.8	
Max. AC Current Output to Utility Grid (A) 6 Max. AC Current From Utility Grid (A)	25.0 34.0	33.3 45.0	41.7 50.0	49.8 50.0	
Power Factor	04.0		B leading to 0.8 lagging)	30.0	
Max. Total Harmonic Distortion			3%		
AC Output Data (Back-up)					
Back-up Nominal Apparent Power (VA)	15000	20000	25000	29900	
Max. Output Apparent Power without Grid(VA)*		20000 (24000@60s, 32000@3s)	25000 (30000@60s)	30000 (36000@60	
Max. Output Apparent Power with Grid (VA)*3	15000	20000	25000	29900	
Max. Output Current (A)	22.7 (27.3@60s, 36.4@3s)	30.3 (36.4@60s, 48.5@3s)	37.9 (45.5@60s)	45.5 (54.5@60s	
Nominal Output Voltage (V)			/ 400		
Nominal Output Freqency (Hz) Output THDv (@Linear Load)	50 / 60 <3%				
			0 70		
Efficiency					
Max. Efficiency	98.0% 97.5%				
European Efficiency Max. Battery to AC Efficiency	97.5% 97.5%				
MPPT Efficiency	99.9%				
Protection					
PV String Current Monitoring		Inten	rated		
PV Insulation Resistance Detection	Integrated				
Residual Current Monitoring	Integrated				
PV Reverse Polarity Protection	Integrated				
Battery Reverse Polarity Protection	Integrated				
Anti-islanding Protection AC Overcurrent Protection	Integrated Integrated				
AC Overcurrent Protection AC Short Circuit Protection	Integrated				
AC Overvoltage Protection	Integrated				
DC Switch	Integrated				
DC Surge Protection	Type II				
AC Surge Protection	Type III				
AFCI Remote Shutdown	Optional Integrated				
		integ	- Latou		
General Data			. 00		
Operating Temperature Range (°C) Relative Humiditv			- +60 95%		
Max. Operating Altitude (m)			95% 100		
Cooling Method			n Coolina		
User Interface		LED, WL	AN + APP		
		RS485	/ CAN		
		DC	485		
Communication with BMS Communication with Meter					
Communication with Meter Communication with Portal	40	WiFi	/ 4G		
Communication with Meter Communication with Portal Weight (kg)	48	WiFi 48	54	54	
Communication with Meter Communication with Portal Weight (kg) Dimension (W x H x D mm)		WiFi 48 520 × 6	54 60 × 220		
Communication with Meter Communication with Portal Weight (kg)	48 <45	WiFi 48 520 × 60 <45	54	54 <60	
Communication with Meter Communication with Portal Weight (kg) Dimension (W × H × D mm) Noise Emission (dB)		WiFi 48 520 × 6i <45 Non-is	54 60 × 220 <45		
Communication with Meter Communication with Portal Weight (kg) Dimension (W x H x D mm) Noise Emission (dB) Topology		WiFi 48 520 × 6i <45 Non-is 1P	54 60 × 220 <45 solated		

^{*1:} Max. Input Power, not continuous for 1.5* normal power.
*2: For 1000V system, Maximum operating voltage is 950V.
*3: According to the local grid regulation.
*4: Can be reached only if PV and battery power is enough.

^{*5:} No Back-up Output.
*6: For 400V grid, the Max. AC Current Output to Utility Grid is 23.9A for GW15K-ET, 31.9A for GW20K-ET, 39.9A for GW25K-ET, 43.3A for GW29.9K-ET.
*: Please visit GoodWe website for the latest certificates.