

Operating at the heart of the integrated PV power and storage system, our ET PLUS+ hybrid inverters are designed to maximise energy output, enhance self-consumption, realise peak-shaving and facilitate backup power. With intelligent load controls and wide battery voltage range, the set-up can be flexibly configurated to meet individual needs across the residential ecosystem. Combine with GoodWe battery system Lynx Home F for a safe and reliable energy storage solution.



Fanless and silent



Smart home integration



UPS level switching <10ms



93.4%



Statesty (Space   Section   Sectio	Technical Data	GW5KN-ET	GW6.5KN-ET	GW8KN-ET	GW10KN-ET	
Note   Section	Battery Input Data					
Selfery Voltage Farrige (V)	Battery Type					
Start-up Voltage (V)						
Number of Bellety Input   1   1     1						
Max. Continuous Discharging Current (A)						
Max. Continuous Dischariging Current (A)   7550   8450   9800   10000						
Mass. Descripting Power (W)						
Was. Input Date Power (W)	Max. Charging Power (W)	7500			10000	
Max. Input Power (W) 7500 9700 12000 15000 MeX. Input Power (W) 7500 - 850 1500 MeX. Input Voltage Range (V) 180 - 850 1500 MeX. Input Voltage Range (V) 180 - 850 1500 MeX. Input Voltage Range (V) 180 - 850 1500 MeX. Input Voltage (V) 180 MeX. Input Vo	Max. Discharging Power (W)	7500	8450	9600	10000	
Max. Piput Voltage (V)	PV String Input Data					
WPPT Operating Voltage Range (V)	Max. Input Power (W)					
Start up Voltage (V)						
Norman   Agric   Agr						
Max. Right Current per MPPT (A)	Start-up voltage (V) Nominal Input Voltage (V)					
Value of the Pirackers   2   2						
Number of NPP Trackers   2						
Number of Strings per MPPT	Number of MPP Trackers					
Norman   Cultur Power (W)   5000   6500   8000   10000	Number of Strings per MPPT					
Norman   Cultur Power (W)   5000   6500   8000   10000	AC Output Data (On-grid)					
Norminal Apparent Power Cutput to Utility Grid (VA)   5000   6500   8000   10000   10000   Max. Apparent Power Cutput to Utility Grid (VA)   10000   13000   150000   15000   150000   15000   150000   150000   150000   150000   150000	1 ( 6 )	5000	6500	8000	10000	
Max. Apparent Power Cutput to Utility Grid (VA)						
Max. Apparent Power from Utility Grid (VA)   10000   13000   15000   15000   15000						
Nominal Output Voltage (V)						
Nominal AC Grid Frequency (Hz)	Nominal Output Voltage (V)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			10000	
AG Grid Frequency Range (Hz)  Max. AC Current Prom Utility Grid (A)  8.5  10.8  13.5  16.5  Max. AC Current Prom Utility Grid (A)  15.2  19.7  22.7  22.7  22.7  22.7  22.7  22.7  22.7  22.7  22.7  22.7  22.7  22.7  22.7  22.7  23.7  24.7  25.7  26.7  26.7  27.7  28.7  28.7  28.7  28.7  29.7  2	Output Voltage Range (V)	0 ~ 300				
Max. AC Current Cutput to Utility Grid (A)  48.5  10.8  13.5  10.8  13.5  10.8  13.5  10.8  10.7  22.7  23.0  24.	Nominal AC Grid Frequency (Hz)					
Max. AC Current From Utility Grid (A) 15.2 19.7 22.7 22.7 22.7 22.7 22.7 22.7 22.7 2	AC Grid Frequency Range (Hz)					
Power Factor	Max. AC Current Output to Utility Grid (A)					
Max Total Harmonic Distortion		15.2			22.7	
AC Output Data (Back-up)   Sack-up Nominal Apparent Power (VA)   5000   6500   8000   10000						
Sack-up Nominal Apparent Power (VA)   5000   6500   8000   10000   10000				170		
Max. Output Apparent Power without Grid (VA)3         5000 (10000@60sec)         8000 (16000@60sec)         10000 (16500@60)           Max. Output Apparent Power with Grid (VA)3         5000         6500         8000         10000           Max. Autput Lurrent (A)         8.5         10.8         13.5         16.5           Nominal Output Voltage (V)         400 / 380         10.8         13.5         16.5           Nominal Output Frequency (Hz)         50 / 60         500 / 60		F000	CEOO	9000	10000	
Max. Output Apparent Power with Grid (VA)**         5000         6500         8000         10000           Max. Output Qurrent (A)         8.5         10.8         13.5         16.5           Nominal Output Voltage (V)         50.760	Max Output Apparent Power without Grid (VA)*3					
Max. Output Current (A)         8.5         10.8         13.5         16.5           Nominal Output Voltage (V)         50 / 60         50 / 6	Max. Output Apparent Power with Grid (VA)*3					
Nominal Output Voltage (V)						
Cutput THDV (@Linear Load)   Cash	Nominal Output Voltage (V)					
### State						
Max. Efficiency   98.0%   98.0%   98.2%   97.5%   97	Output THDv (@Linear Load)	<3%				
Protection   97.2%   97.5%   97.5%   97.5%	Efficiency					
Max_Battery to AC Efficiency         97.5%           MPPT Efficiency         99.9%           Protection           PV Insulation Resistance Detection         Integrated           Residual Current Monitoring         Integrated           PV Reverse Polarity Protection         Integrated           Anti-Islanding Protection         Integrated           AC Overcurrent Protection         Integrated           AC Overcurrent Protection         Integrated           AC Overcurrent Protection         Integrated           DC Switch         Integrated           DC Surge Protection         Type III           AC Surge Protection         Type III           Remote Shutdown         Integrated           General Data         State of the	Max. Efficiency					
MPPT Efficiency         99.9%           Protection         Integrated           PV Insulation Resistance Detection         Integrated           Residual Current Monitoring         Integrated           PV Reverse Polarity Protection         Integrated           Act Overcurrent Protection         Integrated           AC Overcurrent Protection         Integrated           AC Source Protection         Integrated           AC Overvoltage Protection         Integrated           DC Switch         Integrated           DC Surge Protection         Type II           AC Surge Protection         Type III           Remote Shutdown         Integrated           General Data           Operating Temperature Range (°C)         -35 → +60           Relative Humidity         0 ~ 95%           Max. Operating Altitude (m)         4000           Cooling Method         Natural Convection           Sper Interface         LED, APP           Communication with BMS¹         RS485, CAN           Communication with Meter         RS485           Communication with Meter         RS485           Communication with Portal         WiFi / WiFi + LAN (Optional) / 4G (Optional)           Weight (kg)         Non-isolated		97.2%			97.5%	
Protection  PV Insulation Resistance Detection Residual Current Monitoring Integrated PV Reverse Polarity Protection Integrated AC Viewrise Polarity Protection Integrated AC Overcurrent Protection AC Surge Protection Integrated AC Overcurrent Protection AC Surge Prote						
PV Insulation Resistance Detection Residual Current Monitoring Integrated PV Reverse Polarity Protection Residual Current Monitoring Integrated PV Reverse Polarity Protection Integrated Anti-islanding Protection Integrated AC Overcurrent Protection Integrated AC Overcurrent Protection Integrated AC Overcurrent Protection Integrated AC Overcurrent Protection Integrated CO Covercurrent Protection Integrated CO				5.75		
Residual Current Monitoring Integrated PV Reverse Polarity Protection Integrated Anti-islanding Protection Integrated Anti-islanding Protection Integrated AC Overcurrent Protection Integrated CO C Switch Integrated CO C		Integrated				
PV Reverse Polarity Protection Integrated Anti-slanding Protection Integrated AC Overcurrent Protection Integrated AC Overcurrent Protection Integrated AC Short Circuit Protection Integrated AC Overvoltage Protection Integrated AC Overvoltage Protection Integrated DC Switch Integrated DC Switch Integrated DC Surge Protection Type II AC Surge Protection Type III AC Surge Protection Type III AC Surge Protection Integrated Departing Temperature Range (°C)  Remote Shutdown Integrated  Ceneral Data  Departing Temperature Range (°C) AS ~ +60 Active Humidity O ~ 95% Max. Operating Altitude (m) 4000  Cooling Method Natural Convection User Interface LED, APP Communication with BMS'4 RS485, CAN Communication with BMS'4 RS485 Communication with Meter RS485 Communication with Meter RS485 Communication with Meter RS485 Communication with Portal WiFi / WiFi + LAN (Optional) / 4G (Optional) Weight (kg) Dimension (W x H x D mm) 415 x 516 x 180 Topology Non-isolated Self-consumption at Night (W)' <sup>5</sup> Non-isolated Self-consumption at Night (W)' <sup>5</sup> Non-isolated IP66						
AC Overcurrent Protection         Integrated           AC Short Circuit Protection         Integrated           AC Overvoltage Protection         Integrated           DC Switch         Integrated           DC Surge Protection         Type II           AC Surge Protection         Type III           Remote Shutdown         Integrated           General Data           Deparating Temperature Range (°C)         -35 ~ +60           Relative Humidity         0 ~ 95%           Max. Operating Altitude (m)         4000           Cooling Method         Natural Convection           User Interface         LED, APP           Communication with BMS'4         RS485, CAN           Communication with Meter         RS485           Communication with Portal         WiFi / WiFi + LAN (Optional) / 4G (Optional)           Weight (kg)         24           Dimension (W x H x D mm)         415 x 516 x 180           Topology         Non-isolated           Self-consumption at Night (W)'5         <15	PV Reverse Polarity Protection	Integrated				
AC Short Circuit Protection         Integrated           AC Overvoltage Protection         Integrated           DC Switch         Integrated           DC Surge Protection         Type II           AC Surge Protection         Type III           Remote Shutdown         Integrated           General Data           Operating Temperature Range (°C)         -35 ~ +60           Relative Humidity         0 ~ 95%           Max. Operating Altitude (m)         4000           Cooling Method         Natural Convection           Jeer Interface         LED, APP           Communication with BMS'4         RS485, CAN           Communication with Meter         RS485           Communication with Portal         WiFi / WiFi + LAN (Optional) / 4G (Optional)           Weight (kg)         24           Dimension (W x H x D mm)         415 x 516 x 180           Topology         Non-isolated           Self-consumption at Night (W)'5         < 15           ngress Protection Rating         IP66	Anti-islanding Protection	Integrated				
AC Overvoltage Protection Integrated  DC Switch Integrated  DC Surge Protection Type II  AC Surge Protection Type III  AC Surge Protection Type III  Bemote Shutdown Integrated  Ceneral Data  Degrating Temperature Range (°C) -35 ~ +60  Relative Humidity 0 ~ 95%  Max. Operating Altitude (m) 4000  Cooling Method Natural Convection  Jser Interface LED, APP  Communication with BMS⁴ RS485, CAN  Communication with Meter RS485  Communication with Meter RS485  Communication with Portal WiFi / WiFi + LAN (Optional) / 4G (Optional)  Weight (kg) 24  Dimension (W x H x D mm) 415 x 516 x 180  Topology Non-isolated  Self-consumption at Night (W)¹⁵						
Integrated   DC Surge Protection   Type II						
DC Surge Protection         Type II           AC Surge Protection         Type III           Remote Shutdown         Integrated           General Data           Operating Temperature Range (°C)         -35 ~ +60           Relative Humidity         0 ~ 95%           Max. Operating Altitude (m)         4000           Cooling Method         Natural Convection           User Interface         LED, APP           Communication with BMS°⁴         RS485, CAN           Communication with Meter         RS485           Communication with Portal         WiFi / WiFi + LAN (Optional) / 4G (Optional)           Weight (kg)         24           Dimension (W × H × D mm)         415 × 516 × 180           Topology         Non-isolated           Self-consumption at Night (W)°5         < 15           Ingress Protection Rating         IP66						
AC Surge Protection         Type III           Remote Shutdown         Integrated           General Data           Operating Temperature Range (°C)         -35 ~ +60           Relative Humidity         0 ~ 95%           Max. Operating Altitude (m)         4000           Cooling Method         Natural Convection           Jser Interface         LED, APP           Communication with BMS'4         RS485, CAN           Communication with Meter         RS485           Communication with Portal         WiFi / WiFi + LAN (Optional) / 4G (Optional)           Weight (kg)         24           Dimension (W x H x D mm)         415 x 516 x 180           Topology         Non-isolated           Self-consumption at Night (W)'5         < 15           ngress Protection Rating         IP66						
General Data         Integrated           Operating Temperature Range (°C)         -35 ~ +60           Relative Humidity         0 ~ 95%           Max. Operating Altitude (m)         4000           Cooling Method         Natural Convection           User Interface         LED, APP           Communication with BMS⁴         RS485, CAN           Communication with Meter         RS485           Communication with Portal         WiFi / WiFi + LAN (Optional) / 4G (Optional)           Weight (kg)         24           Dimension (W x H x D mm)         415 x 516 x 180           Topology         Non-isolated           Self-consumption at Night (W)¹⁵         <15						
General Data           Operating Temperature Range (°C)         -35 ~ +60           Relative Humidity         0 ~ 95%           Max. Operating Altitude (m)         4000           Cooling Method         Natural Convection           Jser Interface         LED, APP           Communication with BMS'⁴         R\$485, CAN           Communication with Meter         R\$485           Communication with Portal         WiFi / WiFi + LAN (Optional) / 4G (Optional)           Weight (kg)         24           Dimension (W x H x D mm)         415 x 516 x 180           Topology         Non-isolated           Self-consumption at Night (W)'5         <15	Remote Shutdown					
Dignerating Temperature Range (°C)   -35 ~ +60     Relative Humidity   0 ~ 95%     Max. Operating Altitude (m)   4000     Cooling Method   Natural Convection     Jeer Interface   LED, APP     Communication with BMS'⁴   RS485, CAN     Communication with Meter   RS485     Communication with Portal   WiFi / WiFi + LAN (Optional) / 4G (Optional)     Weight (kg)   24     Dimension (W x H x D mm)   415 x 516 x 180     Topology   Non-isolated     Self-consumption at Night (W)'5   <15     Ingress Protection Rating   IP66     P66						
Relative Humidity         0 ~ 95%           Max. Operating Altitude (m)         4000           Cooling Method         Natural Convection           Jser Interface         LED, APP           Communication with BMS <sup>-4</sup> RS485, CAN           Communication with Meter         RS485           Communication with Portal         WiFi / WiFi + LAN (Optional) / 4G (Optional)           Weight (kg)         24           Dimension (W x H x D mm)         415 x 516 x 180           Topology         Non-isolated           Self-consumption at Night (W) <sup>15</sup> < 15			25	+60		
Cooling Method         Natural Convection           Jser Interface         LED, APP           Communication with BMS'4         RS485, CAN           Communication with Meter         RS485           Communication with Portal         WiFi / WiFi + LAN (Optional) / 4G (Optional)           Weight (kg)         24           Dimension (W x H x D mm)         415 x 516 x 180           Topology         Non-isolated           Self-consumption at Night (W)'5         <15	Relative Humidity	0 ~ 95%				
User Interface         LED, APP           Communication with BMS³⁴         RS485, CAN           Communication with Meter         RS485           Communication with Portal         WiFi / WiFi + LAN (Optional) / 4G (Optional)           Weight (kg)         24           Dimension (W x H x D mm)         415 x 516 x 180           Topology         Non-isolated           Self-consumption at Night (W)¹⁵         <15	Max. Operating Altitude (m)					
Communication with BMS <sup>™4</sup> RS485, CAN           Communication with Meter         RS485           Communication with Portal         WiFi / WiFi + LAN (Optional) / 4G (Optional)           Weight (kg)         24           Dimension (W x H x D mm)         415 x 516 x 180           Topology         Non-isolated           Self-consumption at Night (W) <sup>™5</sup> <15	Cooling Method					
Communication with Meter         RS485           Communication with Portal         WiFi / WiFi + LAN (Optional) / 4G (Optional)           Weight (kg)         24           Dimension (W x H x D mm)         415 x 516 x 180           Topology         Non-isolated           Self-consumption at Night (W)*5         <15	User Interface					
Communication with Portal         WiFi / WiFi + LAN (Optional) / 4G (Optional)           Weight (kg)         24           Dimension (W × H × D mm)         415 × 516 × 180           Topology         Non-isolated           Self-consumption at Night (W)*5         <15			RS485	, CAN		
Weight (kg)         24           Dimension (W x H x D mm)         415 x 516 x 180           Topology         Non-isolated           Self-consumption at Night (W)*5         <15						
Dimension (W x H x D mm)       415 x 516 x 180         Topology       Non-isolated         Self-consumption at Night (W)'5       <15						
Topology Non-isolated Self-consumption at Night (W)'5 <15 Ingress Protection Rating IP66						
Self-consumption at Night (W) <sup>15</sup> <15 Ingress Protection Rating IP66						
Ingress Protection Rating IP66	Self-consumption at Night (W)*5					
	Ingress Protection Rating					
	Mounting Method		Wall Mo	ounted		

<sup>\*1:</sup> 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: CAN communication is configured default. If RS485 communication is used, please replace the corresponding communication line.

<sup>\*5:</sup> No Back-up Output.
\*: Not all certifications & standards listed, check the official website for details.
\*: Please visit GoodWe website for the latest certificates.