GOODWE

ET Series

15-29.9 kW I Three phase I Up to 3 MPPTs Hybrid Inverter (HV)

The GoodWe ET 15kW-29.9kW Series inverter is ideal for residential, small to medium commercial and industrial applications. As the core of an energy storage solution, the ET inverter massively lowers energy costs by efficiently storing the solar power for flexible use and increasing self-consumption. Peak shaving balances power demand and grid power imported, to effectively reduce extra grid demand for the most cost-effective use for your property. When paired with the GoodWe Home F Series battery, this offers a one-stop shop solution for Three Phase systems. This series is available in 15kW, 20kW, 25kW and 29.9kW models.



Smart Control & Monitoring

Integrated dry contact for external loads
 Peak shaving



Superb Safety & Reliability

Type II SPD on DC side
 AFCI optional¹



Friendly & Thoughtful Design

· Elegant and compact design

· Plug & Play installations



Flexible & Adaptable Applications

 \cdot Max 15A DC input current per string

· Up to 200% DC input oversizing

ET 15-29.9kW Series

GOODWE

Max. Charging Power (W) 15000 20000 25000 30000 Max. Discharging Power (W) 15000 20000 25000 30000 PV String Input Data 30000 50000 59800 Max. Input Voltage (V) [*] 30000 40000 50000 59800 Max. Input Voltage (V) [*] 200 ~ 850 5000 59800 Number of MPPT Tokers 200 860 5000 59800 Number of MPPT Tackers 2 2 3 3 Number of MPPT Tackers 2 2 3 3 Number of MPPT Tackers 2 2 3 3 Nominal Output Power (W) 15000 20000 25000 29900 Nominal Output Power (W) 15000 20000 25000 29900 Nominal Output Voltage (V) 0 -380 2000 29900 Nominal Output Voltage (V) 15000 20000 25000 29900 Nominal Output Voltage Range (V) ^{**} 0	echnical Data	GW15K-ET	GW20K-ET	GW25K-ET	GW29.9K-E
Normed Estany Voltage (V) 500 Marcher voltage appoint 201 - 800 Marcher voltage appoint 201 - 800 Marcher voltage appoint 200 - 800 Marcher Voltage (V) 1500 2000 9000 Marcher Voltage (V) 1500 2000 9000 5000 Marcher Voltage (V) 000 - 60 5000 5000 5000 Marcher Voltage (V) 000 - 60 5000 5000 5000 Marcher Voltage (V) 000 - 60 000 5000 2000 Marcher Voltage (V) 000 - 800 2000 2000 2000 Marcher Voltage (V) 212 <t< td=""><td>attery Input Data</td><td></td><td></td><td></td><td></td></t<>	attery Input Data				
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Number of Bellery Input 1 1 2 2 2 Number Continues Opting Lorred (A) 00	attery voltage range (V)				
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Mail Canadian Descharging Current (A) 80 90 90 4 2 3000 20000		50	50		
Max. Decknaging Power (W) 15000 20	ax. Continuous Discharging Current (A)	50	50	50 × 2	50 × 2
PV String Input Data Second Processing View Second Proces View Second Proces View					30000
Max. Eng. Power (P) 3000 4000 5000 5080 MEP IC power (P) 300 300 300 300 MEP IC power (P) 300 2000	0 0 0 /	15000	20000	25000	30000
Max. Expert Voltage (V)* 200 850 Status Durage (V) 200 850 Status Durage (V) 200 850 Status Durage (V) 200 850 Max. Status Current per MPPT (A) 30 30 Max. Status Current per MPPT (A) 30 31 Acc Output Data (Ongerid) 1000 2000 <td>• •</td> <td></td> <td></td> <td></td> <td></td>	• •				
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Start up Nubage (V) COD Max. Haga (V) COD Max. Haga (V) COD Max. Haga (V) SOD Number of MPT Tackies 2 2 3 AC Output Data (On-grin) 21/2					
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Max. Short Char.if Current park MPT (A) 38 Number of MPT Protects 2 2 3 AC Output Data (Ang.) 212 21212 21212 2121 2121 AC Output Data (Ang.) 15000 20000 26000 2600					
Number of MPP Trackers 2 2 3 3 AC Output Data (On-grid) 21/2 21/21/2 <td< td=""><td></td><td></td><td></td><td></td><td></td></td<>					
AC Output Data (On-grid) Stool Sto	umber of MPP Trackers		2	3	
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Max. Apparent Power Inton Utility (odd (M)' 15000 20000 25000 3000 Output Voltage Range (V)* 0 - 300 850 / 400, 3L (N/ PE 50 / 60 50 / 60 Max. AC, Current Output to Utility (odd (A) 23.9 31.9 45.8 43.3 Normal AC, Berder Foru, Utility (odd (A) 23.9 31.9 45.8 43.3 Normal AC, Current Four Utility (odd (A) 22.7 30.3 37.9 44.3 Normal AD, Edd (Backsup) -1 (Adjustable from 0.8 leading-0.8 leaging) 45.3 Max. Gal Harmonic Distortion -1 (Adjustable from 0.8 leading-0.8 leaging) 45.3 Max. Current Apparent Power (MA) 15000 20000 250.6 Ad303 20.306.4 de606, 4500(50,					29900
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AC Output Data (Back-up) Sex Uput Agnetin Power (WA) 15000 20000 25000 29000 Max. Output Apparent Power with Grid (VA) 15000 20000 25000 29000 Max. Output Apparent Power with Grid (VA) 15000 20000 25000 29000 Max. Output Current (A) 22.7 (27.3660s, 36.4636s) 33.0 (36.4660s, 45.563.5) 37.9 (45.560s) 45.5 (54.55 Nominal Output Voltage (V) 22.7 (27.3660s, 36.4636s) 33.0 (36.4660s, 45.563.5) 37.9 (45.560s) 45.5 (54.55 Nominal Output Voltage (V) 20.7 (27.3660s, 36.4635s) 33.0 (36.4660s, 45.693.5) 37.9 (45.560s) 45.5 (54.55 Nominal Output Voltage (V) 20.7 (27.3660s, 36.4635s) 33.0 (36.4660s, 45.693.5) 37.9 (45.560s) 45.5 (54.55 Nominal Output Voltage (V) 20.7 (27.3660s, 36.4635s) 33.0 (36.4660s, 45.693.5) 37.9 (45.560s) 45.5 (54.55 Max. Efficiency 98.9% 98.9% 98.9% 99.9% 99.9% 99.9% 99.9% 99.9% 99.9% 99.9% 99.9% 99.9% 99.9% 99.9% 99.9% 99.9% 99.9% 99.9%		22.1			40.0
Back-up Nominal Apparent Power (VA) 15000 2000 25000 2000 26000 2000					
Max. Cutput Apparent Power without Grid (WA)" 15000 (18000@660s, 2000@23) 20000 (20000@620s) 20000 (20000 29000 Max. Cutput Apparent Power with Grid (WA) 15000 20000 29000 29000 29000 Max. Cutput Apparent Power with Grid (WA) 15000 20000 29000 29000 29000 29000 Max. Cutput Apparent Power with Grid (WA) 15000 (4000@60s, 30.303 (36.4@60s, 46.5@3s) 37.9 (45.5@60s) 45.5 (54.5) Nominal Output Votage (V) 50.1 60	C Output Data (Back-up)				
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Output THDV (@Linear Load) <3%	ominal Output Voltage (V)		380	/ 400	
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European Efficiency 97.5% Max, Battery to AC Efficiency 97.5% Max, Battery to AC Efficiency 99.9% Protection 99.9% PV String Current Monitoring Integrated PV Insulation Resistance Detection Integrated Residual Current Monitoring Integrated PV Reverse Polarity Protection Integrated Battery Reverse Polarity Protection Integrated AC Overcurrent Protection Integrated AC Overcurrent Protection Integrated Covercurrent Protection Integrated AC Surge Protection Integrated DE Surge Protection Integrated Covercurrent Protection Type II AC Surge Protection Type III AC Surge Protection Optional Ceneral Data Optional Operating Temperature Range (*C) -35 ~ +60 Conging Method Galong Communication with Meter R5485 / CAN Communication with Meter R5485 Communication with Portal WiFi + LAN + Bluetoth Weight (kg)	-		00	0%	
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Operating Temperature Range (°C) -35 ~ +60 Relative Humidity 0 ~ 95% Max. Operating Altitude (m) 4000 Cooling Method Smart Fan Cooling User Interface LED, WLAN + APP Communication with BMS RS485 / CAN Communication with Meter RS485 Communication with Portal WiFi + LAN + Bluetooth Weight (kg) 48 48 54 54 Dimension (W × H × D mm) 520 × 660 × 220 Topology Topology <60			Opti	ional	
Relative Humidity 0 ~ 95% Max. Operating Altitude (m) 4000 Cooling Method Smart Fan Cooling User Interface LED, WLAN + APP Communication with BMS R\$485 / CAN Communication with Meter R\$485 Communication with Portal WiFi + LAN + Bluetooth Weight (kg) 48 48 54 54 Dimension (W × H × D mm) 520 × 660 × 220 Topology Topology 400 Self-consumption at Night (W)% <45					
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Communication with BMS RS485 / CAN Communication with Meter RS485 Communication with Portal WiFi + LAN + Bluetooth Weight (kg) 48 48 54 54 Dimension (W × H × D mm) 520 × 660 × 220 54 54 54 54 Noise Emission (dB) <45	ooling Method		Smart Fa	n Cooling	
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Communication with Portal WiFi + LAN + Bluetooth Weight (kg) 48 54 54 54 Dimension (W × H × D mm) 520 × 660 × 220 52					
Dimension (W × H × D mm) 520 × 660 × 220 Noise Emission (dB) <45	ommunication with Portal		WiFi + LAN	+ Bluetooth	
Noise Emission (dB) <45 <45 <60 Topology Non-isolated	reight (kg)	48			54
Topology Non-isolated Self-consumption at Night (W)*6 <15		<45			<60
Ingress Protection Rating IP66	pology		Non-is	solated	
Protective Class I	rotective Class				
Mounting Method Wall Mounted Country of Manufacture China					

*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: Output Voltage Range: phase voltage.
*5: Can be reached only if PV and battery power is enough.
*6: No Back up Output.

*6: No Back-up Output.
*7: When the load is connected to the inverter's backup port, the Max. Apparent Power from Utility Grid can reach to 22.5K for GW15K-ET, 30K for GW20K-ET,

33K for GW25K-ET, 33K for GW29.9K-ET, and 33K for GW30K-ET respectively.

33K for GW25K-EI, 33K for GW29.9K-EI, and 33K for GW30K-EI respectively.
*8: When the load is connected to the inverter's backup port, the Max. AC Current From Utility Grid can reach to 34A for GW15K-ET, 45A for GW20K-ET, 50A for GW25K-ET, 50A for GW29.9K-ET, and 50A for GW30K-ET respectively.
*9: For Austria, Max. Output Power (W) is 15K for GW15K-ET, 20K for GW20K-ET, 25K for GW25K-ET, 29.9K for GW29.9K-ET, and 30K for GW30K-ET.
*: Please visit GoodWe website for the latest certificates.
*: All picture about are for professore and v. Actual approximate and v. Actual approximate.

* All pictures shown are for reference only. Actual appearance may vary. **: Please refer to the user manual for the MPPT Voltage Range at Nominal Power.