

Powerful and compact, the GoodWe ET50 hybrid inverter is ideal for Commercial and Industrial (C&I) energy storage solutions. The inverter is compatible with a range of battery capacities, and leverages intelligent operating modes to optimize system performance across various scenarios such as self-consumption, peak shaving, time-of-use and grid support. Its parallel connection capability facilitates seamless expansion for both on-grid and off-grid setups. When coupled with the Static Transfer Switch (STS) Box, the system supports dependable UPS-level switching to backup mode. Paired with the GoodWe Lynx C battery system, GoodWe provides a complete energy storage solution.



Parallel connection



Peak shaving and grid support



Powerful back-up with STS box





ax. AC Current From Utility Grid (A)'s ower Factor ax. Total Harmonic Distortion  C Output Data (Back-up) ack-up Nominal Apparent Power (VA)	@ 380V; 58.0 @ 400V 60.6	Li-lon 500 200 ~ 800 200 1 1 100 100 55000  55000  75000  1000 165 ~ 850 200 620  42 / 32 / 42 / 32 55 / 42 / 55 / 42 4 2  50000 50000 50000 50000 50000 0 / 400, 3L / N / PE 176 ~ 276 50 / 60 45 ~ 65 75.8 @ 380V; 72.5 @ 75.8  from 0.8 leading to 0.8 lagging) <3%	?
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utput Voltage Range (V)*1  ominal AC Grid Frequency (Hz)  C Grid Frequency Range (Hz)  ax. AC Current Output to Utility Grid (A)  ax. AC Current From Utility Grid (A)*6  ower Factor  ax. Total Harmonic Distortion  C Output Data (Back-up)  ack-up Nominal Apparent Power (VA)  ax. Output Apparent Power (VA)  ax. Output Current (A)*7  ominal Output Voltage (V)	@ 380V; 58.0 @ 400V 60.6	176 ~ 276 50 / 60 45 ~ 65 75.8 @ 380V; 72.5 @ 75.8 from 0.8 leading to 0.8 lagging)	400V
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ax. AC Current Output to Utility Grid (A) 60.6 ax. AC Current From Utility Grid (A) 60.6 ax. AC Current From Utility Grid (A) 60.6 ax. AC Current From Utility Grid (A) 60.6 ax. Ac Courrent From Utility Grid (A) 60.6 ax. Total Harmonic Distortion  C Output Data (Back-up) ack-up Nominal Apparent Power (VA) ax. Output Apparent Power (VA) 44000 (4800 ax. Output Current (A) 70 ax. Output Current (A) 70 axin Output Voltage (V)	60.6	75.8 @ 380V; 72.5 @ 75.8 from 0.8 leading to 0.8 lagging)	400V
ax. AC Current From Utility Grid (A) <sup>16</sup> ower Factor ax. Total Harmonic Distortion  C Output Data (Back-up)  ack-up Nominal Apparent Power (VA)  ax. Output Apparent Power (VA)  ax. Output Current (A) <sup>17</sup> ominal Output Voltage (V)	60.6	75.8 from 0.8 leading to 0.8 lagging)	4007
ower Factor ax. Total Harmonic Distortion  C Output Data (Back-up) ack-up Nominal Apparent Power (VA) ax. Output Apparent Power (VA) 44000 (4800 ax. Output Current (A) <sup>77</sup> ominal Output Voltage (V)		from 0.8 leading to 0.8 lagging)	
ax. Total Harmonic Distortion  C Output Data (Back-up)  ack-up Nominal Apparent Power (VA)  ax. Output Apparent Power (VA)  44000 (4800)  ax. Output Current (A) <sup>77</sup> brainal Output Voltage (V)	T (T tajautasio ii		
ack-up Nominal Apparent Power (VA) ax. Output Apparent Power (VA) 44000 (4800 ax. Output Current (A) <sup>77</sup> brainal Output Voltage (V)			
ax. Output Apparent Power (VA) 44000 (4800 ax. Output Current (A) <sup>7</sup> ominal Output Voltage (V)			
ax. Output Current (A) <sup>7</sup> ominal Output Voltage (V)	40000	50000	
ominal Output Voltage (V)	00 @ 60sec, 60000 @ 10se	ec) 55000 (60000 @ 60sec, 750	000 @ 10se
	66.7	83.3	
ominai Output Frequency (HZ)	380	0 / 400, 3L / N / PE	
utput THDv (@Linear Load)		50 / 60 < 3%	
		V 0.70	
fficiency		00.10/	
ax. Efficiency Jropean Efficiency		98.1% 97.5%	
ax. Battery to AC Efficiency		97.7%	
PPT Efficiency		99.0%	
rotection			
esidual Current Monitoring		Integrated	
/ Reverse Polarity Protection		Integrated Integrated	
attery Reverse Polarity Protection		Integrated	
nti-islanding Protection		Integrated	
C Overcurrent Protection		Integrated	
C Short Circuit Protection		Integrated	
C Overvoltage Protection		Integrated	
C Switch C Surge Protection	Typo II	Integrated I (Type I + II Optional)	
C Surge Protection	туре п	Type II	
FCI		Optional	
emote Shutdown		Integrated	
eneral Data			
perating Temperature Range (°C)		-35 ~ +60	
elative Humidity		0 ~ 95%	
ax. Operating Altitude (m)		4000	
poling Method		mart Fan Cooling	
ser Interface	LE	ED, WLAN + APP	
ommunication with BMS ommunication with Meter		CAN RS485	
ommunication with Neter  ommunication with Portal	ΙΔ	AN / 4G (Optional)	
ZITHTIGHTOGROTT WITH FORGE	62	65	
		520 × 660 × 260	
eight (kg) mension (W × H × D mm)		Non-isolated	
eight (kg) mension (W × H × D mm) pology			
eight (kg) mension (W × H × D mm)		<15 IP66	

 $<sup>^{\</sup>star}1$ : For most of the PV module, the max. Input power can achieve  $2^{\star}Pn$ , Such as the max. input power of GW50K-ET can achieve 100kW.

<sup>2:</sup> Output Voltage Range: phase voltage.

3: When the input voltage is greater than 980V, the inverter will enter standby mode, and when the voltage returns to below 970V the inverter will return to normal operation.

4: The Li-lon battery usually contain two mainstream type: LFP and Ternary Lithium battery.

<sup>\*5:</sup> Please refer to the user manual for the MPPT Voltage Range at Nominal Power.
\*6: When Nominal Output Voltage is 400V, the Max. AC Current From Utility Grid is 58.0A for GW40K-ET-10 and 72.5A for GW50K-ET-10.

\*7: When Nominal Output Voltage is 400V, the Max. Output Current is 63.8A for GW40K-ET-10 and 79.7A for GW50K-ET-10.

<sup>\*:</sup> Please visit GoodWe website for the latest certificates.