



GOODWE
YOUR SOLAR ENGINE

COMMERCIAL STORAGE SOLUTION

ETC Series | BTC Series

50/100/150/200kW



ETC Series

Hybrid

Technical Data	GW50K-ETC	GW100K-ETC
Battery Input Data		
Battery Voltage Range(V)	200~920	
No. of Battery Input	1	2
Nominal Current of Single Battery (A)	100	
Charging Mode for Battery	Self-adaption to BMS	
PV String Input Data		
Max. DC Input Voltage (V)*	1000	
MPPT Range (V)	250~850	
Max. Input Current per Tracker (V)	100	
No. of MPP Trackers	1	2
AC Output Data (On-grid mode)		
Nominal Output Power (VA)	50k	100k
Max. Output Power (VA)	55k	110k
Nominal Output Voltage (V)	380,3L/N/PE	
Nominal Ouput Frequency (Hz)	50/60	
Nominal Output Current (A)	76	152
Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)	
Output THDi (@Nominal Output)	<3%	
AC Output Data (Backup mode)		
Nominal Output Power (VA)	50k	100k
Max. Output Power (VA)	55k	110k
Nominal Output Voltage (V)	380Vac, 3L/N/PE	
Nominal Ouput Frequency (Hz)	50/60	
Output THDv (@Liner Load)	<3%	
Overload Capability	1.1 times continuous overload , 1.2 times overload is no less than 1 minute	
Load Unbalance	100% unbalanced load	
Efficiency		
Max. Solar to AC Efficiency	98.3%	
Max. Discharge Efficiency	98.0%	
Max. Solar Charge Efficiency	98.8%	
Max. Grid Charge Efficiency	97.6%	
Protection		
Anti-islanding Protection	Integrated	
Insulation Resistor Detection	Integrated	
Residual Current Monitoring Unit	Integrated	
AC SPD Protection	Integrated	
Output Over Current Protection	Integrated	
Output Short Protection	Integrated	
Output Over Voltage Protection	Integrated	
General Data		
Operating Temperature Range (°C)	-25~60	
Relative Humidity	0~95%	
Operating Altitude (m)	4000	
Cooling	Fan Cooling	
Noise (dB)	<66	
User Interface	LCD & LED & APP	
Communication	RS485, LAN / WLAN	
BMS Communication	CAN	
Weight (kg)	400	460
Size (Width*Depth*Height mm)	600*800*2000	
Protection Degree	IP20	
Topology	Transformerless	