



GOODWE
YOUR SOLAR ENGINE

COMMERCIAL STORAGE SOLUTION

ETC Series | BTC Series

50/100/150/200kW



BTC Series

AC-Coupled Retrofit

Technical Data	GW50K -BTC	GW100K -BTC	GW150K -BTC	GW200K -BTC	GW50KH -BTC	GW100KH -BTC	GW150KH -BTC	GW200KH -BTC
Battery Input Data								
Battery Voltage Range(V)	200~920				640~920			
No. of Battery Input	1	2	3	4	1			
Nominal Current of Single Battery (A)	100				80	160	240	320
Charging Mode for Battery	Self-adaption to BMS				Self-adaption to BMS			
AC Output Data (On-grid mode)								
Nominal Output Power (VA)	50k	100k	150k	200k	50k	100k	150k	200k
Max. Output Power (VA)	55k	110k	165k	220k	55k	110k	165k	220k
Nominal Output Voltage (V)	380,3L/N/PE				380,3L/N/PE			
Nominal Output Frequency (Hz)	50/60				50/60			
Nominal Output Current (A)	76	152	228	304	76	152	228	304
Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)				~1 (Adjustable from 0.8 leading to 0.8 lagging)			
Output THDi (@Nominal Output)	<3%				<3%			
AC Output Data (Backup mode)								
Nominal Output Power (VA)	50k	100k	150k	200k	50k	100k	150k	200k
Max. Output Power (VA)	55k	110k	165k	220k	55k	110k	165k	220k
Nominal Output Voltage (V)	380Vac, 3L/N/PE				380Vac, 3L/N/PE			
Nominal Output Frequency (Hz)	50/60				50/60			
Output THDv (@Liner Load)	<3%				<3%			
Overload Capability	1.1 times continuous overload , 1.2 times overload is no less than 1 minute				1.1 times continuous overload , 1.2 times overload is no less than 1 minute			
Load Unbalance	100% unbalanced load				100% unbalanced load			
Efficiency								
Max. Discharge Efficiency	98.0%				98.0%			
Max. Charge Efficiency	97.6%				97.6%			
Protection								
Anti-islanding Protection	Integrated				Integrated			
Insulation Resistor Detection	Integrated				Integrated			
Residual Current Monitoring Unit	Integrated				Integrated			
AC SPD Protection	Integrated				Integrated			
Output Over Current Protection	Integrated				Integrated			
Output Short Protection	Integrated				Integrated			
Output Over Voltage Protection	Integrated				Integrated			
General Data								
Operating Temperature Range (°C)	-25~60				-25~60			
Relative Humidity	0~95%				0~95%			
Operating Altitude (m)	4000				4000			
Cooling	Fan Cooling				Fan Cooling			
Noise (dB)	<66				<66			
User Interface	LCD & LED & APP				LCD & LED & APP			
Communication	RS485, LAN / WiFi				RS485, LAN / WiFi			
BMS Communication	CAN				CAN			
Weight (kg)	400	460	520	580	400	460	520	580
Size (Width*Depth*Height mm)	600*800*2000				600*800*2000			
Protection Degree	IP20				IP20			
Topology	Transformerless				Transformerless			

GoodWe-ETC/BTC-20191023-V1.0. Information may be subject to change without notice during product improving.