BT Series (AC-Coupled)

Three Phase AC Retrofit Inverter (HV Battery)

Technical Data		GW5K-BT	GW6K-BT	GW8K-BT	GW10K-BT
Battery Input Data	Battery Type	Li-Ion			
	Battery Voltage Range (V)	180~600			
	Max. Charging Current (A)	25			
	Max. Discharging Current (A)	25			
	Charging Strategy for Li-Ion Battery	Self-adaption to BMS			
AC Output Data (On-grid)	Nominal Apparent Power Output to Utility Grid (VA)	5000	6000	8000	10000
	Max. Apparent Power Output to Utility Grid (VA)*¹	5500	6600	8800	11000
	Max. Apparent Power from Utility Grid (VA)	10000	12000	15000	15000
	Nominal Output Voltage (V)	400/380, 3L/N/PE			
	Nominal Ouput Freqency (Hz)	50/60			
	Max. AC Current Output to Utility Grid (A)	8.5	10.5	13.5	16.5
	Max. AC Current from Utility Grid (A)	15.2	18.2	22.7	22.7
	Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)			
	Output THDi (@Nominal Output)	<3%			
AC Output Data (Back-up)	Max. Output Apparent Power (VA)	5000	6000	8000	10000
	Peak Output Apparent Power (VA)*²	10000, 60sec	12000, 60sec	15000, 60sec	15000, 60sec
	Max. Ouput Current (A)	8.5	10.5	13.5	16.5
	Nominal Output Voltage (V)	400/380			
	Nominal Ouput Frequency (Hz)	50/60			
	Output THDv (@Linear Load)	<3%			
Efficiency	Max. Battery to Load Efficiency	97.6%			
	Max. Charge Efficiency	97.6%			
Protection	Anti-Islanding Protection	Integrated			
	Insulation Resistor Detection	Integrated			
	Residual Current Monitoring Unit	Integrated			
	Output Over Current Protection	Integrated			
	Output Short Protection	Integrated			
	Battery Input Reverse Polarity Protection	Integrated			
	Output Over Voltage Protection	Integrated			
General Data	Operating Temperature Range (°C)	-35~60			
	Relative Humidity	0~95%			
	Operating Altitude (m)	≤4000			
	Cooling	Nature Convection			
	Noise (dB)	<30			
	User Interface	LED & APP			
	Communication with BMS*³	RS485; CAN			
	Communication with Meter	RS485			
	Communication with EMS	RS485 (Insulated)			
	Communicaiton with Portal	Wi-Fi; LAN			
	Weight (kg)	21			
	Size (Width*Height*Depth mm)	415*516*180			
	Mounting	Wall Bracket			
	Protection Degree	IP66			
	Standby Self-Consumption (W)*⁴	<15			
	Topology	Battery Non-Isolation			

*¹: According to the local grid regulation.
*²: Can be reached only if battery capacity is enough, otherwise will shut down.
*³: CAN communication is configured by default. If 485 communication is used, please replace the corresponding communication line.
*⁴: No Back-up Output.
*: Please visit GoodWe website for the latest certificates.