GOODWE





Smart Control & Monitoring

- · <10ms UPS-level switching
- · Multi-protocol communication



Superb Safety & Reliability

- · Built-in Type II SPD (Type I + II offered as optional configuration)
- · Integrated remote shutdown



Friendly & Thoughtful Design

- · Modularized design
- · Plug & Play



Flexible & Adaptable Applications

- · Peak load shaving
- · 100% unbalanced output



Technical Data	GW50K07-ETC	GW50K06-ETC ^{*1}	GW100K07-ETC	GW100K06-E
Battery Input Data				
Battery Type		Li-	-lon	
Nominal Battery Voltage (V)			/ 576.0 / 652.8	
Battery Voltage Range (V)	200 ~ 865			
Start-up Voltage (V)			00	
Number of Battery Input	1 100	1 100	2	2
Max. Continuous Charging Current (A) Max. Continuous Discharging Current (A)	100 100	100 100	100 / 100 100 / 100	100 / 100 100 / 100
Max. Charging Power (kW)	50	50	100 / 100	100 / 100
Max. Discharging Power (kW)	55	55	110	110
			110	110
PV String Input Data				
Max. Input Power (kW)	65	65	130	130
Max. Input Voltage (V) MPPT Operating Voltage Range (V)			000 ~ 850	
Start-up Voltage (V)			~ 650 50	
Nominal Input Voltage (V)			00	
Max. Input Current per MPPT (A)			00	
Max. Short Circuit Current per MPPT (A)		1	25	
Number of MPP Trackers	1	1	2	2
AC Output Data (On-grid)				
Nominal Output Power (kW)	50	50	100	100
Nominal Apparent Power Output to Utility Grid (kVA)	50	50	100	100
Max. Apparent Power Output to Utility Grid (kVA)	55	55	110	110
Max. Apparent Power from Utility Grid (kVA)	55	55	110	110
Nominal Output Voltage (V)		400, 3L / N / PE		
Output Voltage Range (V)	312 ~ 460 (AU); 318 ~ 497 (Germany)			
Nominal AC Grid Frequency (Hz)		50 / 60 47 ~ 52 (AU); 47.5 ~ 51.5 (Germany)		
AC Grid Frequency Range (Hz) Max. AC Current Output to Utility Grid (A)	79.8	47 ~ 52 (AU); 47.5 79.8	5 ~ 51.5 (Germany) 159.5	159.5
Max. AC Current from Utility Grid (A)	79.8	79.8	159.5	159.5
Power Factor	70.0		3 leading to 0.8 lagging)	100.0
Max. Total Harmonic Distortion			3%	
AC Output Data (Back-up)				
''''	50		100	
Back-up Nominal Apparent Power (kVA) Max. Output Apparent Power without Grid (kVA)	50 55	-	100 110	-
Max. Output Apparent Fower without Grid (kVA)	55		110	
Max. Output Current (A)	79.8	-	159.5	_
Nominal Output Voltage (V)	400	-	400	-
Nominal Output Frequency (Hz)	50 / 60	-	50 / 60	-
Output THDv (@Linear Load)	<3%	-	<3%	-
Efficiency				
Max. Efficiency		97	.6%	
European Efficiency		97	.3%	
Max. Battery to AC Efficiency	97.2%			
MPPT Efficiency		99	.9%	
Protection				
PV Insulation Resistance Detection		Intec	grated	
Residual Current Monitoring	Integrated			
PV Reverse Polarity Protection	Integrated			
Battery Reverse Polarity Protection	Integrated			
Anti-islanding Protection	Integrated			
AC Overcurrent Protection AC Short Circuit Protection	Integrated Integrated			
AC Overvoltage Protection AC Overvoltage Protection	Integrated Integrated			
DC Switch	Integrated			
AC Switch	Integrated			
DC Surge Protection	Type II (Type I + II Optional)			
AC Surge Protection		Type II (Type I + II Optional)		
Emergency Power Off	Integrated			
Remote Shutdown		Integ	grated	
General Data				
Operating Temperature Range (°C)		-20 ~ +60 (>	45°C derating)	
Relative Humidity	0 ~ 95% (Non-condensing)			
Max. Operating Altitude (m)	4000			
Cooling Method	Smart Fan Cooling			
User Interface	LED, LCD, WLAN + APP			
Communication with BMS	RS485, CAN RS485			
Communication with Meter Communication with Portal			485 5, LAN	
Communication with Portal Weight (kg)	184.5	170.0	239.5	225.0
Dimension (W × H × D mm)	10-1.0		360 × 750	220.0
Noise Emission (dB)			68	
Topology		Non-is	solated	
Ingress Protection Rating	IP20			
Mounting Method			ınded	

^{*1:} The models with the *06" suffix do not include an automatic switching module, specifically designed for 'grid-tied' applications.
*: Please visit GoodWe website for the latest certificates.