GOODWE





Seamless UPS Switch Function



AFCI & Rapid Shutdown



4 MPPTs & 150% DC Input Oversizing



Smart Meter Integrated



Technical Data	GW5000A-ES	GWOUUUA-ES	GW/000A-ES	GW/600A-ES	GW8600A-ES	GW96UUA-E
Battery Input Data						
Battery Type	Li-Ion	Li-lon	Li-Ion	Li-lon	Li-lon	Li-lon
Battery Voltage Range (V)*1	80~495	80~495	80~495	80~495	80~495	80~495
Max. Continuous Charging Current (A)	50	50	50	50	50	50
Max. Continuous Discharging Current (A)	50	50	50	50	50	50
PV String Input Data						
Max. Input Power (W)	7500	9000	10500	11400	12900	15000
Max. Input Voltage (V)*2	600	600	600	600	600	600
MPPT Operating Voltage Range (V)*3	80~550	80~550	80~550	80~550	80~550	80~550
Start-up Voltage (V)	95	95	95	95	95	95
Nominal Input Voltage (V)	380	380	380	380	380	380
Max. Input Current per MPPT (A)	12.5/12.5	12.5/12.5	12.5/12.5/12.5/12.5	12.5/12.5/12.5/12.5	12.5/12.5/12.5/12.5	12.5/12.5/12.5/12
Max. Short Circuit Current per MPPT (A)	15.2/15.2	15.2/15.2	15.2/15.2/15.2/15.2	15.2/15.2/15.2/15.2	15.2/15.2/15.2/15.2	15.2/15.2/15.2/15
Number of MPPTs	2	2	4	4	4	4
Number of Strings per MPPT	1/1	1/1	1/1/1/1	1/1/1/1	1/1/1/1	1/1/1/1
AC Output Data (On-grid)						
Max. Apparent Power Output to Utility Grid (VA)	5000	6000	7000	7600	8600	9600
Max. Apparent Power from Utility Grid (VA)	6000	7200	8400	9120	9600	9600
Output Voltage Range (Vac)	211 to 264 @240	211 to 264 @240	211 to 264 @240	211 to 264 @240	211 to 264 @240	211 to 264 @24
Nominal AC Grid Frequency (Hz)	60	60	60	60	60	60
Max. AC Current Output to Utility Grid (A)	20.8	25	29.2	31.7	35.8	40
Max. AC Current From Utility Grid (A)	25	30	35	38	40	40
Power Factor			Adjustable from 0.8			
Max. Total Harmonic Distortion	<3%	<3%	<3%	<3%	<3%	<3%
AC Output Data (Back-up)						
Max. Output Apparent Power@240V (VA)	5000 (6000@60sec)	6000 (7200@60sec)	7000 (8400@60sec)	7600 (9120@60sec)	8600 (10320@60sec)	9600 (11520@60se
Max. Output Current@240V (A)	20.8	25	29.2	31.7	35.8	40
Nominal Output Voltage L1-L2/L-N (Vac)	240/120	240/120	240/120	240/120	240/120	240/120
Nominal Output Frequency (Hz)	60	60	60	60	60	60
Output THDv (@Linear Load)	<3%	<3%	<3%	<3%	<3%	<3%
Efficiency						
Max. Efficiency	97.6%	97.6%	97.6%	97.6%	97.6%	97.6%
CEC Efficiency	97.3%	97.4%	97.1%	97.1%	97.1%	97.1%
Max. Battery to AC Efficiency	96.6%	96.6%	96.6%	96.6%	96.6%	96.6%
Protection						
PV Insulation Resistance Detection	Integrated	Integrated	Integrated	Intograted	Intograted	Intograted
Residual Current Monitoring	Integrated	Integrated	Integrated	Integrated Integrated	Integrated Integrated	Integrated Integrated
PV Reverse Polarity Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Battery Reverse Polarity Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Anti-islanding Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
AC Overcurrent Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
AC Short Circuit Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
AC Overvoltage Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
PV Arc Fault Detection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
General Data						
Operating Temperature Range (°F)			-31°F~140°F	(-35°C~60°C)		
Relative Humidity	0~95%	0~95%	0~95%	0~95%	0~95%	0~95%
Max. Operating Altitude (ft)	≤13123ft (4000m)	≤13123ft (4000m)	≤13123ft (4000m)		≤13123ft (4000m)	≤13123ft (4000r
Cooling Method	Intelligent Fan	Intelligent Fan	Intelligent Fan	Intelligent Fan	Intelligent Fan	Intelligent Fan
Display			LED & APP(W	'iFi, Bluetooth)		
Communication with BMS	RS485; CAN	RS485; CAN	RS485; CAN	RS485; CAN	RS485; CAN	RS485; CAN
Communication with Meter	RS485	RS485	RS485	RS485	RS485	RS485
Communication with Portal			Wi-Fi; LAN			
Weight (lb)	62.8lb (28.5kg)	62.8lb (28.5kg)	70.5lb (32kg)	70.5lb (32kg)	70.5lb (32kg)	70.5lb (32kg)
Dimension W×H×D (inch)			× 33.1in × 6.9in (41			
Noise Emission (dB)	<45	<45	<45 T	<45 T	<45	<45
Topology	Transformerless	Transformerless	Transformerless	Transformerless	Transformerless	Transformerles
Self-consumption at Night (W)*4	<20	<20	<20	<20	<20	<20
Ingress Protection Rating	NEMA Type 4X	NEMA Type 4X	NEMA Type 4X	NEMA Type 4X	NEMA Type 4X	NEMA Type 4
Mounting Method	Wall Bracket	Wall Bracket	Wall Bracket	Wall Bracket	Wall Bracket	Wall Bracket
Certification						
Grid Standards		UL1741 SA, Cal	fornia Rule 21, HE	CO Rule 14, IEEE 1	547, IEEE 1547.1	
	UL 1741, CSA 22.2 No. 107-01, UL 1998, UL1699B					
Safety Regulation		UL 17	41, CSA 22.2 No. 1	07-01, UL <u>1998,</u> UL	_1699B	

^{*1:} Battery discharge/charge power limited by voltage.
*2: Inverter will not work when PV input voltage ≥585V.
*3: When there is no battery connected, inverter starts feeding in only if string voltage is higher than 200V.
*4: No Back-up Output.
*: Peak output apparent power@240V can be reached only if battery power is enough.
*: Please visit GoodWe website for the latest certificates.