

OFF-GRID

GETA 1.5-6K (Single-Phase)

- Max. PV input voltage 500V
- Wide voltage compatibility: Supports 12V, 24V, and 48V battery systems
- Battery activation via PV and utility grid
- Dual outputs for intelligent load management
- Real-time 24/7 remote monitoring
- Flexible operation modes to meet diverse energy needs
- EQ function for enhanced battery performance and longevity
- Allows continuous load supply at up to 110% of rated output power



Model	GETA-LB-EU 1.5K/12V	GETA-LB-EU 2.5K/12V	GETA-LB-EU 3.6K/24V	GETA-LB-EU 3.6K/48V	GETA-LB-EU 6K/48V
Input (PV DC)					
Max. PV array power (W)	2000	3000	4000		6500
Number of independent MPPT inputs	1				
Max. PV input voltage (V)	500				
MPPT voltage range (V)	30 ~ 440		55 ~ 440		100 ~ 440
Start-up voltage (V)	65				90
Max. PV input current per MPPT (A)	18				27
Max. Short-circuit current per MPPT (A)	20				35
Battery					
Compatible battery type	Lithium-ion / Lead-acid				
Rated battery voltage (V)	12		24	48	
Max. AC charge current (A)	100		75	100	
Max. PV+AC charge current (A)	120		75	120	
Max. discharging current (A)	140		75	120	
Force wake up battery from PV function	Yes				
Force wake up battery from Grid function	Yes				
Grid					
Rated AC voltage (V)	230				
AC voltage range (V)	170-280VAC (For Personal Computer); 90-280VAC (For Home Appliances)				
Rated AC frequency (Hz)	50 / 60				
Rated AC input current (A)	6.5	10.8	15.7	15.7	26.1
Max. AC input power (W)	3000	5000	7200	7200	8700
PF	0.99				
THDI	< 3%				
GEN					
Rated GEN voltage (V)	/		230		
Rated GEN frequency (Hz)	/		50 / 60		
Rated GEN input current (A)	/		15.7	15.7	32.0
Rated GEN input power (W)	/		3600	3600	7370
UPS					
Rated output power (W)	1500	1500 (BAT) / 2500 (PV+BAT)	3600	3600	6000
Rated output voltage (V)	220 / 230VAC + 5%				
Rated output current (A)	6.5	6.5(BAT) / 10.8(PV+BAT)	15.7	15.7	26.1
Rated output frequency (Hz)	50 / 60				
Output port	Single output		Dual outputs		
Surge power, duration	2 × rated power for 2s				
Switching time (UPS)	10ms				
Wave form	Sine wave				
THDV	<3%				
Overload protection	5s@≥150% load; 10s@110%~150% load				
Efficiency					
MPPT efficiency	99.0%				
Max. charge efficiency	96.0%				
Max. discharge efficiency	89.0%	91.0%		93.0%	
Protection					
Battery reverse polarity protection	/		Yes		
Over current / voltage protection	Yes				
AC short-circuit current protection	Yes				
DC surge protection	Type III				
AC surge protection	Type III				
General					
Dimensions (W × H × D)	304.4×320×101 mm 12.0×12.6×4.0 in		307×385×111 mm 12.1×15.2×4.4 in		/
Weight	5.4 kg / 12 lbs		7.33 kg / 16.16 lbs		/
Ingress protection rating	IP21				
Relative humidity	5% ~ 95%				
Operating environment temperature range (°C)	-10 ~ 45 (> 40 °C Derating)				
Storage temperature range (°C)	-15 ~ 60				
Display & Communication interface	LCD + LED; WIFI				
Warranty	1.5 years				
Cooling method	Smart Cooling				
Max. operating altitude (m)	2000				
Standard & Certification					
EN62109-1/-2, EN 61000					