

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



Model	GETA-LB-EU 1.5K/12V	GETA-LB-EU 2.5K/12V	GETA-LB-EU 2.5K/24V	GETA-LB-EU 3.6K/24V	GETA-LB-EU 3.6K/48V	GETA-LB-EU 6K/48V
<b>Input (PV DC)</b>						
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
<b>Battery</b>						
Compatible battery type	Lithium-ion / Lead-acid					
Rated battery voltage (V)	12		24		48	
Max. AC Charge Current (A)	100					75
Max. PV+AC charge current (A)	120					100
Max. discharging current (A)	140					120
Force wake up battery from PV function	Yes					
Force wake up battery from Grid function	Yes					
<b>Grid</b>						
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					
Max. AC input power (W)	3000	5000	5000	7200	7200	8700
PF	0.99					
THDI	< 3%					
<b>UPS</b>						
Rated output power (W)	1500	1500 (BAT) / 2500 (PV+BAT)	2500	3600	3600	5800
Rated output voltage (V)	220 / 230VAC + 5%					
Rated output current (A)	6.5	6.5 / 10.9	10.9	15.7	15.7	25.2
Rated output frequency (Hz)	50 / 60					
Output Port	Single Output			Dual Outputs		
Surge power, duration	2 × rated power for 2s					
Switching time (UPS )	<10ms@Single					
Wave form	Sine wave					
THDV	3%					
Overload Protection	5s@≥150% load; 10s@110%~150% load					
<b>Efficiency</b>						
MPPT efficiency	99.0%					
Max. charge efficiency	96.0%					
Max. discharge efficiency	89.0%		90.0%			92.0%
<b>Protection</b>						
Over current / voltage protection	Yes					
AC Short-circuit current protection	Yes					
DC Surge protection	Type III					
AC Surge protection	Type III					
<b>General</b>						
Dimensions (W × H × D)	304.4×320×101 mm 12.0×12.6×4.0 in		TBD	307×418×111 mm 12.1×16.5×4.4 in		321.5×488×122 mm 12.7×19.2×4.8 in
Weight	5.4 kg / 12 lbs		6.2 kg / 13.7 lbs	7.33 kg / 16.16 lbs		10 kg / 22.0 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					
<b>Standard &amp; Certification</b>						
EN62109-1/-2, EN 61000						