LUXPOWERTEK

OFF-GRID

GETA-LB-EU 1.5-3.6K

(Single-Phase)



500V
Max. PV input voltage

24/7
Real-time monitoring

110%
Continuous output capability

- Supports 12V, 24V and 48V battery systems
- EQ for improved battery performance and lifespan
- Battery activation via PV and utility grid
- Dual outputs for intelligent load management

SPECIFICATIONS

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
Input (PV DC)				
Max. PV array power (W)	2000	3000	4000	4000
Number of independent MPPT inputs	1			
Max. PV input voltage (V)	500			
MPPT voltage range (V)	30 ~ 440		55 ~ 440	
Start-up voltage (V)	65			
Max. PV input current per MPPT (A)	18			
Max. Short-circuit current per MPPT (A)	22.5			
Battery				
Compatible battery type	Lithium-ion / Lead-acid			
Rated battery voltage (V)	12	12	24	48
Max. AC charge current (A)	100	100	100	70
Max. PV charge current (A)	120	120	120	75
Max. PV+AC charge current (A)	120	120	120	75
Max. discharging current (A)	140	140	140	75
Force wake up battery from PV&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
Max. AC input power (W)	3000	5000	7200	7200
PF	0.99			
THDI	< 3%			
GEN				
Rated GEN voltage (V)	/		230	
Rated GEN frequency (Hz)	/		50 / 60	
Rated GEN input current (A)	/		15.7	
Rated GEN input power (W)	/		3600	
UPS				
Rated output power (W)	1500	1500 (BAT) / 2500 (PV+BAT)	3600	3600
Rated output voltage (V)	220 / 230VAC + 5%			
Rated output current (A)	6.5	6.5 (BAT) / 10.8 (PV+BAT)	15.7	15.7
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%			
EU. efficiency	95.9%			
Max. efficiency	93.0%			
Max. charge efficiency	93.0%			
Max. discharge efficiency	89.0%		91.0%	
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		307×418×112 mm / 12.1×16.5×4.4 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				