

LU  POWER^{TEK}

OFF-GRID //

GETA-LB-EU 6K/48V



500V

Max. PV input voltage



24/7

Real-time monitoring



110%

Continuous output
capability

- 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 6K/48V
Input (PV DC)	
Max. PV array power (W)	9600
Number of independent MPPT inputs	2 (1:1)
Max. PV input voltage (V)	500
MPPT voltage range (V)	60 ~ 440
Start-up voltage (V)	65
Max. PV input current per MPPT (A)	18 / 18
Max. Short-circuit current per MPPT (A)	22.5 / 22.5
Battery	
Compatible battery type	Lithium-ion / Lead-acid
Rated battery voltage (V)	48
Max. AC charge current (A)	100
Max. PV charge current (A)	120
Max. PV+AC charge current (A)	120
Max. discharging current (A)	140
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)	26.1
Max. AC input power (W)	11500
PF	0.99
THDI	< 3%
GEN	
Rated GEN voltage (V)	230
Rated GEN frequency (Hz)	50 / 60
Rated GEN input current (A)	26.1
Rated GEN input power (W)	6000
UPS	
Rated output power (W)	6000
Rated output voltage (V)	220 / 230VAC + 5%
Rated output current (A)	26.1
Rated output frequency (Hz)	50 / 60
Output port	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. efficiency	97.1%
Max. charge efficiency	93.0%
Max. discharge efficiency	93.4%
Protection	
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)	307×482×124 mm / 12.09×18.98×4.88 in
Weight	9.7 kg / 21.38 lbs
Ingress protection rating	IP21
Relative humidity	5% ~ 95%
Operating environment temperature range (°C)	-25 ~ 60 (> 40 °C Derating)
Storage temperature range (°C)	-15 ~ 60
Display & Communication interface	LCD+LED; WIFI
Warranty	1.5 years
Topology on AC / Battery side	Transformerless / Transformer
Cooling method	Smart Cooling
Max. operating altitude (m)	2000
Standards & Certification	
EN62109-1/-2, EN 61000	