OFF-GRID

GETA-LB-US 3K/24V-120 (Split-Phase)

- Max. PV input voltage 500V
- 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
- Supports 24V Battery Systems





Model	GETA-LB-US 3K/24V-120
Input (PV DC)	
Max. PV array power (W)	4000
Number of independent MPPT inputs	1
Max. PV input voltage (V)	500
MPPT voltage range (V)	55 ~ 440
Start-up voltage (V)	65
Max. PV input current per MPPT (A)	18
Max. Short-circuit current per MPPT (A)	20
Battery	
Compatible battery type	Lithium-ion / Lead-acid
Rated battery voltage (V)	24
Max. AC charge current (A)	100
Max. PV+AC charge current (A)	120
Max. discharging current (A)	140
Force wake up battery from PV function	Yes
Force wake up battery from Grid function	Yes
Grid	
Rated AC voltage (V)	120
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)	4500
PF	0.99
THDI	< 3%
GEN	
Rated GEN voltage (V)	120
Rated GEN frequency (Hz)	50 / 60
Rated GEN input current (A)	25
Rated GEN input power (W)	3000
UPS	
Rated output power (W)	3000
Rated output voltage (V)	120VAC + 5%
Rated output current (A)	25
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@≥1.4 × rated power; 10s@(1~1.4) × rated power
Efficiency	
MPPT efficiency	99.0%
Max. charge efficiency	96.0%
Max. discharge efficiency	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)	307×385×111 mm / 12.1×15.2×4.4 in
Weight	7.5 kg / 16.5 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