LUXPOWERTEK

HYBRID INVERTER GEN-LB-EU 5-6KW



- Single phase/Unbalanced 3-Phase
- Supports up to 10pcs in parallel for on/off grid
- Time of Use
- 24/7 real-time monitoring via free LUX app and web
- On/off grid seamless switching under 20ms
- Plug & Play (AC and PV port)
- IP65 for indoor/outdoor installation
- Auto Gen control

INPUT (PV DC)	GEN-LB-EU 5K	GEN-LB-EU 6K
Max. PV array power(W)	8000	
Rated PV input voltage(V)	360V	
Number of independent MPPT inputs	2	
PV input voltage range(V)	100~550	
MPPT voltage range(V)	120~500	
Start-up voltage(V)	140	
Max. PV input current per MPPT(A)	17	
Max. PV short-circuit current input per MPPT(A)	25	
Max. MPPT efficiency	99%	
Battery		
Compatible battery type	Lithium-ion/Lead-Acid	
Rated battery voltage(V)	48	
Battery voltage range(V)	40~60	
Max. charging current(A)	100A	120A
Max. charging power(W)	5000	6000
Max. discharging current(A)	100A	120A
Max. discharging power(W)	5000	6000
Force wake up battery from PV fuction(Y/N)	Y	
Grid		
Rated AC voltage(V)	230	
Rated AC frequency(Hz)	50/60	
Rated AC output current(A)	21.7A	26A
Rated AC output power(W)	5000	6000
Max. AC intput current(A)	34.7	
PF	0.99(Adjustable from 0.8 leading to0.8 lagging)	
THDI	<3%	
Rated AC current of BYPASS relays(A)	60	
UPS		
Rated output power(W)	5000	6000
Rated output voltage(V)	230	
Rated output current(A)	21.7A	26A
Rated output frequency(Hz)	50/60	
Surge power, duration	--	
Switching time(UPS)	20ms	
Wave form	sine wave	
THDV	<5%	
Efficiency		
Max. efficiency	97.3%	
Max. charging efficiency	94.5%	
Max. discharging efficiency	94.5%	
Protection		
Over current / voltage protection(Y/N)	Y	
Anti-islanding protection(Y/N)	Y	
AC Short-circuit current protection(Y/N)	Y	
Leakage current protection(Y/N)	Y	
Ground fault monitoring(Y/N)	Y	
Grid monitoring(Y/N)	Y	
DC Switch(Y/N)	Y	
DC Surge protection Type III	Y	
AC Surge protection Type III	Y	
General		
Dimensions(W*H*D)	455*467*181mm/17.9*18.4*7.1inch	
Weight(kg)	--	
Ingress protection rating	IP65	
Operating environment temperature range	-25~60°C	
Storage temperature range	-40~65°C	
Relative humidity	0~95%	
Display & Communication interface	LCD, RS485/Wi-Fi/CAN	
Warranty:5/10 years(Yes/Optional)	5 years	
Cooling method	Smart cooling	
Topology on AC side	Transformer-less	
Topology on Battery side	Transformer	
Altitude(m)	2000	
Noise emission(typical)	<25	
DC connection(VP-D4/MC4(Optional)	MC4	
AC connector(AC connector)	AC connector	