

HYBRID SERIES

Single Phase

GEN-LB-EU 7-10K

- Durable battery terminals
- Supports up to 10pcs in parallel for on/off grid
- AC coupling function
- Smart load prioritize necessities
- Auto Gen control
- Octopus smart time of use, weather optimize



SpecifiCation

INPUT (PV DC)	GEN-LB-EU 7K	GEN-LB-EU 8K	GEN 10K
Max. PV array power(W)	12000	12000	15000
Rated PV input voltage(V)		360	
Number of independent MPPT inputs		2	
PV input voltage range(V)		100~600	
MPPT voltage range(V)		120~500	
Start-up voltage(V)		140	
Max. PV input current per MPPT(A)		25	
Max. PV short-circuit current input per MPPT(A)		34	
Battery			
Compatible battery type	Lithium-ion/Lead-Acid		
Rated battery voltage(Lithium-ion/Lead-Acid) (V)	48		
Battery voltage range(V)	40~60		
Max. charging/discharging current(A)	146	167	210
Max. charging/discharging power(W)	7000	8000	10000
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)	30.4	34.7	43.5
Rated AC output power(W)	7000	8000	10000
Max. AC input current(A)	63		
PF	0.99(Adjustable from 0.8 leading to 0.8 lagging)		
THDI	<3%		
Rated AC current of BYPASS relays(A)	90		
UPS			
Rated output power(W)	7000	8000	10000
Rated output voltage(V)	230		
Rated output current(A)	30.4	34.7	43.5
Rated output frequency(Hz)	30.4	34.7	43.5
Surge power, duration	2Pn, 0.5s		
Switching time	<20ms		
Wave form	Sine wave		
THDV	<3%		
Efficiency			
MPPT efficiency	99.9%		
Max. efficiency@PV to grid	97.5%		
Max. efficiency@battery to grid	94%		
Max. charging/discharging efficiency	94%		
Protection			
PV reverse polarity protection(Y/N)	Y		
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		
AC/DC Surge protection Type III	Y		
General			
Dimensions(W*H*D)	584*536*290mm/23*21.1*11.4inch		
Weight	42.64kg		
Ingress protection rating	IP65/NEMA 4X		
Relative humidity	0~100%		
Operating environment temperature range	-25~60°C		
Storage temperature range	-25~60°C		
Display & Communication interface	Touch color screen, RS485/Wifi/CAN		
Warranty	5 years		
Cooling method	Smart cooling		
Topology	Transformer-less		
Altitude	<2000m		
Noise emission(typical)	<50dB		
Standard & Certification			

