

## HYBRID SERIES

# GEN-LB-EU 7-10K (Single-Phase)

- 2 MPPTs, Max. PV input 15kW
- Max. charging and discharging current: 210A
- Supports up to 10pcs in parallel for on/off grid
- Time of Use and weather optimization charge for e-bill reduction
- Separate port for
  - Generator connection
    - Auto generator control
    - Support generator exercise
    - Support generator boost function
  - Or smart load connection and auto control
  - Or AC coupling function



Model	GEN-LB-EU 7K	GEN-LB-EU 8K	GEN-LB-EU 10K
<b>INPUT (PV DC)</b>			
Max. PV input power(W)	12000	12000	15000
Rated PV input voltage(V)		360	
Number of independent MPPT inputs		2/(2:2)	
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	
<b>Battery</b>			
Compatible battery type	Lithium-ion/Lead-Acid		
Rated battery voltage(V)	48		
Battery voltage range(V)	40-60		
Max. charge/discharge current(A)	146	167	210
Max. charge/discharge power(W)	7000	8000	10000
Force wake up battery from PV function	YES		
<b>Grid</b>			
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 power(W)	15000		
PF	0.99 (Adjustable from 0.8 leading to 0.8 lagging)		
THDI	< 3%		
Max. continuous AC passthrough current(A)	90		
<b>GEN</b>			
Rated GEN voltage (V)	230		
Rated GEN frequency (Hz)	50/60		
Rated GEN input current (A)	60		
Rated GEN input power (W)	13800		
Rated GEN current of BYPASS relays (A)	90		
<b>UPS</b>			
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)	50/60		
Surge power, duration	2Pn, 0.5s		
Switching time (UPS)	< 20ms		
Wave form	Sine wave		
THDV	< 3%		
<b>Efficiency</b>			
MPPT efficiency	99.9%		
Max. efficiency	97.5%		
Max. charge/discharge efficiency	94.0%		
<b>Protection</b>			
PV reverse polarity protection	YES		
Over current/voltage protection	YES		
Anti-islanding protection	YES		
AC Short-circuit current protection	YES		
Leakage current protection	YES		
Ground fault monitoring	YES		
Grid monitoring	YES		
DC Switch	YES		
AC/DC Surge protection	Type III		
<b>General</b>			
Dimensions(W*H*D)	536*556*290mm/21.1*21.9*11.4in		
Weight	42.64kg/94lbs		
Ingress protection rating	IP65/NEMA 4X		
Relative humidity	0-100%		
Operating environment temperature range(°C)	-25-60		
Storage temperature range(°C)	-25-60		
Display & Communication interface	Touch color screen, RS485/Wifi/CAN		
Warranty	12 years		
Cooling method	Smart cooling		
Topology	Transformer-less		
Altitude	<2000m		
Noise emission(typical)	<50dB		
<b>Standard &amp; Certification</b>			
G99, G100, NRS 097,EN/IEC 62109-1/2, IEC 61683, EN 61000,, EN 62920,IEC62116,IEC61727			