

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	
INPUT (PV DC)						
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)	600					
MPPT voltage range(V)	120~550					
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(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					
Grid						
Rated AC voltage(V)	230					
Rated AC frequency(Hz)	50/60					
Rated AC output current(A)	30.4		34.8		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)	60					
GEN						
Rated GEN voltage (V)	230					
Rated GEN frequency (Hz)	50/60					
Rated GEN input current (A)	60					
Rated GEN input power (W)	13800					
UPS						
Rated output power(W)	7000		8000		10000	
Rated output voltage(V)	230					
Rated output current(A)	30.4		34.8		43.5	
Rated output frequency(Hz)	50/60					
Surge power, duration	2Pn, 0.5s					
Switching time (UPS)	< 20ms					
Wave form	Sine wave					
THDV	< 3%					
Efficiency						
MPPT efficiency	99.9%					
EU efficiency	94.3%					
Max. efficiency	97.5%					
Max. charge/discharge efficiency	94.0%					
Protection						
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					
General						
Dimensions(W*H*D)	536*556*290mm/21.1*21.9*11.4in					
Weight	42.64kg/94lbs					
Ingress protection rating	IP66					
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	5 years					
Cooling method	Smart cooling					
Topology	Transformer-less					
Altitude (m)	<2000					
Noise emission(typical)	<50dB					
Standard & Certification						

G99, G100, NRS 097, EN/IEC 62109-1/2, IEC 61683, EN 61000, EN 62920, IE C62116, IEC 61727