

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)			100~550			
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		34.7		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					
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)	8000					
Rated output voltage(V)			230			
Rated output current(A)	34.7					
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, IEC62116, IEC61727