

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)			
Max. PV input voltage (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		208	
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		43.8	
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		43.8	
Rated output frequency (Hz)			50 / 60			
Surge power, duration	2 × rated power for 0.5s					
Switching time (UPS)			< 20 ms			
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 × 290 mm / 21.1 × 22.3 × 11.4 in					
Weight	42.64 kg / 94 lbs					
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					
Max. Operating Altitude (m)	2000					
Noise emission (dB)	50					
Standard & Certification						