

HYBRID SERIES

Single-Phase

PZG-LB-EU 5-6K

- 2 MPPTs, Max. PV input 9kW,
18A Max.PV input current per MPPT
- Max. charge and discharge current: 125/140A
- Support up to 10pcs in parallel for on/off grid
- Time of Use and weather optimization charge
for e-bill reduction
- On/off grid seamless switching
- 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



Specification

INPUT (PV DC)		5K	6K
Max. PV array power(W)		9000	
Rated PV input voltage(V)		360	
Number of independent MPPT inputs		2/(1:1)	
PV input voltage range(V)		100~530	
MPPT voltage range(V)		150~425	
Start-up voltage(V)		140	
Max. PV input current per MPPT(A)		18	
Max. PV short-circuit current input per MPPT(A)		32	
Battery			
Compatible battery type		Lithium-ion/Lead-Acid	
Rated battery voltage(V)		48	
Battery voltage range(V)		40~60	
Max. charge/discharge current(A)	105/120	125/140	
Max. charge/discharge power(W)	5000	6000	
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)	21.7	26	
Rated AC output power(W)	5000	6000	
Max. AC input power(W)		12000	
PF	0.99 (Adjustable from 0.8 leading to 0.8 lagging)		
THDI		< 3%	
Max. continuous AC passthrough current(A)		52.2	
UPS			
Rated output power(W)	5000	6000	
Rated output voltage(V)		230	
Rated output current(A)	21.7	26	
Rated output frequency(Hz)		50/60	
Surge power, duration		2Pn, 0.5s	
Switching time(UPS)		20ms	
Wave form		Sine wave	
THDV		< 5%	
Efficiency			
MPPT efficiency		99.9%	
Max. efficiency		97.3%	
Max. charge efficiency		94.5%	
Max. discharge efficiency		94.5%	
Protection			
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	
DC Surge protection Type III		YES	
AC Surge protection Type III		YES	
General			
Dimensions(W*H*D)	487*455*211.7mm/19.2*17.9*8.3inch		
Weight	29kg/64lbs		
Ingress protection rating	IP65		
Operating environment temperature range(°C)	-25~60		
Storage temperature range(°C)	-40~65		
Relative humidity	0~95%		
Display & Communication interface	LCD+RGB, RS485/Wi-Fi/CAN		
Warranty	5 years		
Cooling method	Smart cooling		
Topology on AC side	Transformer-less		
Topology on Battery side	Transformer		
Altitude(m)	2000		
Noise emission(typical)	< 25		
DC connection(VP-D4/MC4(Optional))	MC4		
AC connector	YES		
Standard & Certification			

G99, G100, CEI 0-21, RD 1699, NTS, UNE 217001, NRS 097