

RPI-B Series

New Energy Amazing World



Seamless Energy Switchover



200% PV Input



150% Unbalance Output



Higher Profits



Easy Expansion



Technical Parameters

INVERTER MODEL	LSHE-3.6K-SH-B	LSHE-5K-SH-B	LSHE-6K-SH-B	LSHE-8K-TH-B	LSHE-10K-TH-B	LSHE-12K-TH-B
PV INPUT						
Max. PV Input Power	7.36kW	10kW	10kW	16kW	20kW	22.5kW
Max. PV Input Voltage	580V			1100V		
MPPT Range	100~550V			140~950V		
Max. Input Current	15A/15A			16A/16A/16A		
Max. Short Circuit Current	18.75A/18.75A	18.75A/18.75A	22.5A/22.5A	24A/24A/24A		
MPPT Trackers	2			3		
Strings Per MPPT Tracker	1/1			1/1/1		
AC PORT						
Rated Grid Output Power	3.68kVA	5kVA	6kVA	8kVA	10kVA	12kVA
Max. Grid Input Power	7.36kVA	10kVA	11.5kVA	16kVA	20kVA	22.5kVA
Rated Grid/Backup Voltage	230Vac			220/380Vac, 230/400Vac, 3/N/PE		
Rated Grid/Backup Frequency	50/60Hz					
THDi	<3%					
THDv	<3%(Linear Load)/<5%(Non-linear Load)					
EFFICIENCY						
Max. Efficiency	97.3%			98.4%		
Max. Round Trip Efficiency	90%			96%		
GENERAL DATA						
Operating Temperature Range	-20~60°C					
Dimensions(LxDxH)	590×205×405mm			590×205×416mm		
Weight	21.5kg			25kg		
External Communication	RS-485/WIFI/4G/Ethernet					
Grid Regulation	CEI-021, NRS097-2-1			CEI-021, VDE4105:2018, G98, C10/11:2021, VDE0126-1-1, EN50549-1		
Safety Regulation	EC/EN 62109-1&2, IEC/EN 62477-1:2012					
BATTERY MODEL						
LSHE-HV4800-B						
Battery Type	LFP					
Battery Capacity	4.8kWh					
Usable Capacity	4.6kWh					
Depth of Discharge(DoD)	95%					
Nominal Battery Voltage	96V					
Operating Voltage Range	90~108V					
Max. Charging Current	50A					
Max. Discharging Current	50A					
Operating Temperature Range	Charge: 0<T<50°C/Discharge: -10<T<50°C					
Cycle Lifetime	6000					
Quantity of Pack	1~4 in series			1~6 in series		
Dimensions(LxDxH)	590x205x430mm					
Weight	53.4kg					
Communication	CAN/RS-485(Optional)					
Safety Regulation	IEC 62619:2017, IEC 62040:2017					
Transportation	UN38.3					
SYSTEM						
Operating Altitude	≤2000m					
Relative Humidity	0~95%(No Condensing)					
Protection Class	IP65					
EMC	IEC/EN 61000-6-1, IEC/EN 61000-6-2, IEC/EN 61000-6-3, IEC/EN 61000-6-4					