



Hybrid Inverter

On/off-grid | Three Phase | Low Voltage

LIB RHR01L3Pxx-AU Series



Efficient

SiC technology,
Max. efficiency up to 98.2%, high energy efficiency.



High compatibility

150%-200% PV Input Power,
3 MPPTs, PV Input Current 20A,
Higher Compatibility with PV Panel.



High power load adaptation

200-480% Grid Input Power, Max. 24kW,
Supplying to Loads & Charging Battery in Parallel.



Extensible

Max. 6 Units in Parallel (Off-grid Mode),
easy to build various power PV systems.



Flexible install

IP65 Ingress protection, 165mm Ultra-thin, adapt to a variety of installation environments.



Intelligent monitoring APP

Remote monitoring of operation, access to power benefits through APP.

Model	LIB RHR01L3P06- AU	LIB RHR01L3P08- AU	LIB RHR01L3P9.9- AU	LIB RHR01L3P10- AU	LIB RHR01L3P12- AU
Off-grid Output					
Rated Output Power	6kW	8kW	9.9kW	10kW	12kW
Max. Output Power	6.6kVA	8.8kVA	10.9kVA	11kVA	13.2kVA
Peak Power& Duration	20kVA (10s)*				
Max. Output Current	10A	13.3A	16A	16A	20A
Rated Output Voltage	3L/N/PE, 220V/380Vac, 230/400Vac				
Switching Time	<10ms				
On-grid					
Rated Output Power	6kW	8kW	9.9kW	10kW	12kW
Max. Output Power	6.6kVA	8.8kVA	10.9kVA	11kVA	13.2kVA
Max. Output Current	10A	13.3A	16A	16A	20A
Max. Input Power	12kW	16kW	19.8kW	20kW	24kW
Rated Voltage	3L/N/PE, 220V/380Vac, 230/400Vac				
Grid Voltage range	184-276V (P2N)				
Grid Frequency	50/60±5Hz				
PV Input					
Max. Input Power	12000Wp	16000Wp	18000Wp	18000Wp	18000Wp
Max. Input Voltage	800V				
Number of MPPT	3				
Max. Input String Per MPPT	1/1/1				
MPPT Voltage Range	130-800V				
Starting Voltage	140V				
Max. Input Current	20A/20A/20A				
Short-Circuit Current	24A/24A/24A				
Battery					
Battery Type	Lithium battery/Lead-acid battery/Sodium-ion(optional)				
Battery Voltage Range	30-60V				
Max. Charging Current	2×125A				
Max. Discharging Current	2×125A				
Efficiency					
Max. Efficiency	98.20%				
European Efficiency	97.70%				
Max. Battery Charging/Discharging Efficiency	95.00%				

* Overload output is dependent on sufficient PV and battery energy

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General					
Dimensions (W×H×D)	465mm×665mm×165mm				
Weight	36kg				
Noise	<45dB				
Operating Temperature	-25°C ~ +60°C (>40°C Derating)				
Operating Altitude	4000m				
Cooling Method	Intelligent Air Cooling				
Ingress Rating	IP65				
Topology	Non-isolated				
Communication Port	LED/WIFI/4G/Bluetooth/RS485				
Protection	DC Switch; Reverse Polarity Protection; AC Overvoltage/Overcurrent/Short Circuit Protection; Anti-islanding Protection; Residual Current Monitoring; Insulation Resistance Detection; Surge Protection:DC Type II / AC Type III; AFCI(Optional); PID(Optional)				
Country of Manufacture	China				
Certification					
Safety	IEC62109-1&2, IEC62477-1				
EMC	EN61000-6-1, EN61000-6-2, EN61000-6-3,EN61000-6-4				
Grid	AS4777.2:2020+Amd 1:2021				