



ROUX LITE SERIES



MULTIPLE OPERATION MODES SUPPORT

Introducing Pakistan's Most Reliable Generator-Compatible Solar Inverter, built with high-efficiency MOSFET technology and a larger chopper design for stronger, stable performance. The ROUX Lite Series supports multiple modes (ON/OFF/MKS/KS) and features a powerful 120A MPPT solar charge controller, IP54 dust & water resistance, and a wide 90–500V PV input range.

Delivering 100% pure sine wave output, 1.0 power factor, 200A AC+Solar charging, and operation with or without batteries, it ensures maximum flexibility. It includes 1-button restore, battery equalization, fault-code recording, automatic electronic breaker, and anti-dust protection for harsh environments.

A new color touch-screen LCD, optional WiFi, and compatibility with all lithium batteries make it user-friendly. With 98% real-time sharing, 120% overload protection, 2x surge for 5 seconds, dual output for normal and heavy loads, 27A PV input, and support for on-grid, off-grid, and hybrid modes, it also offers net metering and a built-in zero export system—delivering a complete, next-generation power solution.

**3 Years
Replacement
Warranty**
+ Life Time Repairable

6.2KW
PV8000

4.2KW
PV6000

120A
TRUE MPPT



OPTIONAL Wi-Fi MONITORING

Monitor & configure your device from anywhere

Use Wi-Fi Function to remotely monitor the real-time running status of the product

AVAILABLE ON



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App Store



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MODEL	ROUX LITE - 6G - PV6000		ROUX LITE - 6G - PV8000			
Phase			1-Phase			
Maximum PV Input Power			6000 W		8000 W	
Rated Output Power			4200 W		6200 W	
Maximum Solar Charging Current			120 A		120 A	
PV INPUT(DC)						
Nominal DC Voltage/Maximum DC Voltage			360 VDC/500 VDC			
Start-up Voltage/Initial Feeding Voltage			90 VDC/120 VDC			
Maximum DC Voltage			60~450 VDC			
Number of MPPT Trackers/Maximum Input Current			1/27 A		1/32 A	
AC INPUT						
AC Start-up Voltage/Auto Restart Voltage			120-140 VAC/180 VAC			
Acceptable Input Voltage Range			90-280 VAC or 170-280 VAC			
Maximum AC Input Current			30 A		40 A	
Nominal operating frequency			50/60Hz			
Surge power			9000W		13000W	
TWO LOAD OUTPUT POWER (V2.0)						
Full Load			4200 W		6200 W	
Maximum Main Load			4200 W		6200 W	
Maximum Second Load(battery mode)			1500 W		2160 W	
Main Load Cut Off Voltage			22 VDC		44 VDC	
Main Load Return Voltage			27 VDC		54 VDC	
GRID OUTPUT(AC)						
Nominal Output Voltage			220/230/240 VAC			
Output Voltage Range			195.5-253 VAC			
Nominal Output Current			20A		29A	
Power Factor			> 0.99			
Feed-in Grid Frequency Range			49~51± Hz			
BATTERY MODE OUTPUT (AC)						
Nominal Output Voltage			220/230/240 VAC			
Output Waveform			PURE SINE WAVE			
Efficiency(DC to AC)			94%			
BATTERY & CHARGER						
Nominal DC Voltage			24 VDC		48 VDC	
Maximum Charging Current (Solar to AC)			120A		120A	
Maximum AC Charging Current			100A			
EFFICIENCY						
Maximum Conversion Efficiency (Solar to AC)			98%			
GENERAL						
Dimension W x H x D (mm)			413*484*131			
Net Weight (kgs)			15		16	
Communication Port			RS232/Wi-Fi/GPRS			
ENVIRONMENT						
Operating Temperature			-10~50°C			
IP Grade			IP54			

