PPB-8	
Product Code	PPB-8-10-AU -> 9.6 kWh variant
	PPB-8-15-AU -> 14.4 kWh variant
Outlet socket	3x 15A - 230V
	USB-A / USB-C, 5V 3.0A
Inlet	10A – 230V (Trickle Charge)
	4kW Solar Panel
Inverter	1 x 48V / 8kW
Charging Times – 10 kWh variant	80% = 3 hours 55 mins
	100% = 5 hours
Charging Times – 15 kWh variant	80% = 5 hours 55 mins
	100% = 7 hours 30 mins

Inverter	
Rated Inverter Power (Continuous)	8kW
Surge Capacity (Peak)	16kW for 5 Secs
Nominal Output Voltage	230VAC
Frequency	50Hz
AC Voltage Regulation (Battery Mode)	230VAC ± 5%
Battery Nominal Voltage	48VDC
Overload Protection	100ms @ ≥205% load 5s @ ≥150% load 10s @ 110%~150% load
AC Input	Nominal 230VAC Range 170-280VDC
Nominal Input Frequency	50Hz
Max Feed Through Current	10A

Lithium Batteries		
Battery Nominal Voltage		48VDC
Battery Voltage Window		40.5-54VDC
Battery Nominal Capacity (for 1 battery)		4800Wh
Battery Type		LiFePO4 (LFP)
Batter Manufacturer		FNSPower
Battery Number		2x (10 kWh) and 3x (15 kWh)
Battery Management System		Yes
Operating Temperature	Charge	0℃ ~ 45℃
	Discharge	-20℃ ~ 50℃

Solar Panel Inlet	
PV Rated Power	4kW
Max. PV Open Circuit Voltage	500VDC
PV Array MPPT Voltage Range	90-450VDC
Max PV Input Current	18A
Startup Voltage	80VDC ± 5VDC

Dimensions & Weight	
Dimensions	975 x 516 x 931 mm LENGTH x WIDTH x HEIGHT
Dry Weight	PPB8-10-AU -> 163 kg
	PPB8-15-AU -> 205 kg

ON BOARD CONTROL PANEL EQUIPPED WITH:	
Battery Monitor	Run and Charging Time SOC monitoring Voltage/Current/Power monitoring
Battery ON/OFF switch	Fitted
Battery Isolator	Fitted
USB Charger	Fitted
RCBO Protection	Fitted

Distribution Panel
3x 15A 1Ph 230V 3 Pin GPOs (RCBO Protected)
1x 10A 1Ph 230V 3 Pin Inlet Trickle Charge (RCBO Protected)
1x Solar Input Touch Safe Connector (Makinex PV Adaptor Cable required)
1 x USB-A, 1x USB-C (quick charge QC3.0) 5V – 3.0A

Standard Features
Removable top cover for access to batteries, inverter, and electrical wiring (frequent maintenance is not however required)
Renogy battery management display
Castor wheels with dual park brake
Durable HDPE bumpers to avoid damage to the main sheet-metal structure
Lifting eye allowing for easy access from trailers
Tie-down strap locations on the top and bottom, at both the front and back of unit
Rain cover made of a lite and durable PVC that comes stored in a pouch strapped to the unit
Comes with 1x solar panel cable with MC4 connector, to be connected to a solar panel of the user's choice

Makinex reserves the right to modify the technical specifications, items, and design without notice. The images of the products are indicative for illustrative purposes only.

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