

Power Lite Plus

Low-Voltage Residential Energy Storage Battery



16kWh Capacity



Up to 8 Units in Parallel



100% Depth of Discharge



Wide Operating Temperature



Broad Inverter Compatibility



**IP65
PROTECTION**



**EASY
INSTALLATION**



**FLEXIBLE
EXPANSION**



**SMART BMS
PROTECTION**



**CAN / RS485
COMMUNICATION**

Power Lite Plus is a high-performance, low-voltage residential battery storage system designed for modern solar homes. With 16kWh of usable energy, a compact floor-standing design, IP65-rated protection and a wide operating temperature range, it provides a practical and reliable solution for residential energy storage applications.

The system supports parallel expansion of up to 8 units, enabling flexible capacity growth to meet varying residential energy requirements. CAN / RS485 communication enables integration with a broad range of compatible inverter platforms, providing a streamlined, scalable and straightforward storage solution for modern residential energy systems.

TECHNICAL SPECIFICATIONS

Model	HWL051314-A
ELECTRICAL CHARACTERISTICS	
Battery Type	LiFePO ₄ (LFP)
Nominal Voltage [V]	51.2
Nominal Energy [kWh]	16.076
Usable Capacity [kWh]	16.076
Nominal Capacity [Ah]	314
Operating Voltage Range [V]	40 – 58.4
Max. Charge / Discharge Power [kW] ¹	6
Recommended Charge / Discharge Current [A] ¹	100
Max. Charge / Discharge Current [A] ¹	120
Round-trip Efficiency [%]	> 95
Depth of Discharge [%]	100
Parallel Connection	Up to 8 units in parallel
Display	LED
OPERATING CONDITIONS	
Installation Location	Indoor / Outdoor
Installation Method	Floor-standing
Operating Temperature [°C]	Charge: 0 to 55 Discharge: -20 to 60
Storage Temperature [°C]	-10 to 45
Relative Humidity [%]	5–95% RH, non-condensing
Operating Altitude [m]	< 2000
MECHANICAL CHARACTERISTICS	
Dimensions (W × H × D) [mm]	500 × 950 × 250
Weight [kg]	Approx. 123
COMMUNICATION & INVERTER COMPATIBILITY	
Communication Interface	CAN / RS485
Inverter Compatibility	Refer to the latest Ronda Inverter Compatibility List for supported brands and models.
PROTECTION & CERTIFICATIONS	
BMS Protection	Over-charge / over-discharge / over-current / short-circuit / over-temperature
Safety Certification	IEC 62619
EMC Certification	EN IEC 61000-6-1:2019; EN IEC 61000-6-3:2021
Transportation Certification	UN 38.3
Ingress Protection	IP65
WARRANTY	
Standard Warranty [year] ²	10

¹ Power and current may be affected by temperature, cell voltage, SOC and system protection settings.

² Refer to Ronda Warranty Terms and Conditions.