

Component Overview

Check that all material specs align with supplier certifications. Entries include both mechanical and electrical specifications. Refer to this configuration summary for unit-designation mapping. Below are the technical parameters and construction materials for the unit. The parameter register below includes operating limits and ratings. This report extract is prepared for design-verification audits.

Product ID:	LP-555V
Report No.:	PR-216

Prepared by: Laura Rossi | Approved by: Jan Kowalski | Date: 2025-06-17

Model Type	Hydraulic Power Unit	Design Pressure	210 bar
Flow Rate	60 L/min	Voltage	230 V / 50 Hz
Protection Class	IP54	Control Valve	Directional 4/3
Service Interval	12 months	Noise Level	≤ 70 dB(A)
Charging Time	6 h		

Document control numbers are included for traceability. Check that all section headers follow the product template. This closure note indicates the data sheet is ready for release. Data sheet has been peer-reviewed by the engineering team. Overall configuration is within defined design and safety margins. Confirm that all test conditions are accurately represented.

Material of Construction:

Subcomponent	Raw Material
Insulated Tube 25mm	Thermoplastic Polyurethane (TPU)
Gasket Sheet A4	Nitrile Rubber (NBR)
Support Foot Steel	Stainless Steel 304
Wooden Pallet	Treated Pine Wood
Nut M6	Zinc-Plated Steel
Bearing 6202 ZZ	Stainless Steel 304
Battery Pack	Lithium-Ion Cell Pack
Rubber Gasket 80mm	Nitrile Rubber (NBR)
O-Ring NBR 60mm	Nitrile Rubber (NBR)
Capacitor 450V	Aluminum 6061-T6
Graphite Pad	Graphite Pad