

Product Overview

Ensure all referenced standards are up to date. Use this spec sheet to validate assembly instructions. The parameter register below includes operating limits and ratings. Check that all material specs align with supplier certifications. The following information outlines performance characteristics and design data. Entries include both mechanical and electrical specifications. Please review the specifications and material composition listed below.

Product ID:	LP-555V
Internal No.:	4732969

Prepared by: Carlos Garcia | Approved by: Peter Schmidt | Date: 2025-06-01

Unit Type	Cooling Circulation System	Operating Pressure	210 bar
Flow Rate	60 L/min	Operating Voltage	230 V / 50 Hz
Working Temp. Range	10°C to 55°C	Battery Capacity	10 Ah
Oil Type	HLP 46	Control Valve	Manual Override 3/2

Use this summary to cross-check with BOM and inspection reports. Ensure glossary terms match the engineering nomenclature. This summary reflects the latest revision of the product data. Confirm that all test conditions are accurately represented. Check that all section headers follow the product template. Material choices and process data have been verified for compliance. Ensure that the listed materials are approved for the application.

Material of Construction:

Subcomponent	Base
Heat Sink ALU	Aluminum 6061-T6
Graphite Pad	Graphite Pad
Thermal Fuse	Ceramic Oxide
Digital Display Unit	ABS Plastic
Steel Sheet A36	Carbon Steel A36
Hinge Set	Stainless Steel 304
Power Switch	Polycarbonate + Copper
Cable Tie Pack (100)	Nitrile Rubber (NBR)
Wooden Pallet	Treated Pine Wood
Battery Pack	Lithium-Ion Cell Pack
Connector 2P	Glass-Filled Nylon
Fuse 5A	Ceramic Oxide