



## General Specifications - Rectifier Series

General Specifications for LEVDC rectifier series			
Version	Date	Authors	Change content
V0	01-05-2024	Pradeep	First release



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## Features

- Rectifier modules for LEVDC public chargers
- Universal Voltage input
- Single phase and three phase options
- Powergrid friendly with PFC
- Advanced PFSB technology for efficiency conversions
- Multiple safety cutoffs
- Intelligent CAN and RS485 communication

## Specifications

Specification		LWY5422		LWY5611		LWY5720
Functional spec	Battery type	Lithium ion				
	Form factor	Rectifier				
	Cooling	Forced air convection (Fan)				
	Housing	Sheet metal				
	Communication	CAN, RS485				
	Charging profiles	Dynamic with CAN				
Dimension / weight	Dimensions	340 x 152 x 97 mm		400x 256 x 86 mm		400x 256 x 86 mm
Input	AC input Phase	Single		Three		Three
	AC input voltage	90-265 VAC single phase		303-530Vac		303-530Vac
	AC input frequency	45-63 Hz		45-63 Hz		45-63 Hz
	AC current	< 15A		<24A		<40A
	Power Factor	>0.99		>0.99		>0.99
Output/ Performance	Efficiency	Typical 93%		94%		94%
	Output power	3000W		11kW		20kW
	DC output voltage	20V - 60V		20-110V		20-110V



	DC output current (Rated)	50A		100A		200A
	Voltage regulation	$\leq \pm 1\%$				
	Current regulation	$\leq \pm 2\%$				
General/ Environmental	Operating Temp	-10°C to 50°C				
	Storage Temperature	-20°C to 70°C				
Protection	Comprehensive cutoffs	Over voltage protection				
		Under Voltage Protection				
		Short circuit protection				
		Over temperature protection				
		Reverse Polarity Protection				
		Automatic charge cutoff				
		CE/ UL				
Optional	Certification	CE/ UL				

## Dimensions

**LWY5422**

**LW5611/ LW5720**

