

# PV Modules LC Series

## High-efficiency PV Modules



LORENTZ LC Series PV Modules are high quality, high efficiency modules which are proven for use in off grid applications.

LC Series Modules are used in a wide range of applications including water pumping, water purification systems and anywhere that a reliable, robust PV module is required.

The LC Series modules are built with sturdy aluminium frames, advanced EVA encapsulation and triple layer backsheets to meet the most stringent safety requirements.

### Benefits

- Known good quality modules from a recognised supplier
- Tested with LORENTZ solar pumping systems which reduces project risk
- Module specifications included as standard in LORENTZ COMPASS solar planning software and kept up to date
- LORENTZ guarantee

### Features

- High conversion efficiency
- Pre-wired junction box with connectors for "plug and play"
- Reliable bypass diodes to prevent overheating and minimise power loss from shading
- Manufactured in an ISO 9001:2000 certified factory

	Pmax	Cells	Tolerance	Imp	Vmp	Isc	Voc	Temperature co-efficient for			Max. System Voltage	Size	Weight
								Pmax	Voc	Isc			
LC Series	[Wp]		[%]	[A]	[V]	[A]	[V]	[%/°C]	[%/°C]	[%/°C]	[V]	[mm]	[lb]
LC100-M36	100	36	+ 5/0	5.35	18.7	5.72	23.0	-0.40	-0.33	0.05	1,000	47.1 × 21.7 × 1.4	17.9
LC150-P36	150	36	+ 5/0	7.98	18.8	8.50	22.7	-0.42	-0.34	0.06	1,000	58.7 × 26.5 × 1.6	26.5
LC205-M72	205	72	+ 5/0	5.49	37.4	5.86	45.8	-0.40	-0.33	0.05	1,000	62.2 × 31.8 × 1.6	32.6
LC250-P60	250	60	+ 5/0	8.23	30.4	8.81	37.6	-0.42	-0.34	0.06	1,000	65.0 × 39.1 × 1.6	40.8
LC300-P72	300	72	+ 5/0	8.21	36.5	8.80	45.1	-0.42	-0.34	0.06	1,000	77.0 × 39.1 × 1.6	48.1

\*) PV modules at standard test condition: AM = 1.5, E = 1,000W/m<sup>2</sup>, cell temperature: 25 °C

To find out more visit [www.lorentz.de](http://www.lorentz.de)

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All specifications and information are given with good intent, errors are possible and products may be subject to change without notice. Pictures may differ from actual products depending on local market requirements and regulations. A pump system consists of a controller, motor and pump end. Multiple pumps/ pump ends are shown to represent the wide range of pumps (over 70) that LORENTZ has.

**Sun. Water. Life.**