

**For a Free Quote:**

**Web: [EnergyPal.com/solar](http://EnergyPal.com/solar)**

**Call: 1-800-990-3725**

**Email: [contact@energypal.com](mailto:contact@energypal.com)**

# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**Lorentz  
LC150-260  
LC250-P60**

Also available on the web at  
[EnergyPal.com/lorentz-solar-panels/lc250-p60](http://EnergyPal.com/lorentz-solar-panels/lc250-p60)

# 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			
<b>LC Series</b>	[Wp]		[%]	[A]	[V]	[A]	[V]	[%/°C]	[%/°C]	[%/°C]	[V]	[mm]	[kg]
<b>LC100-M36</b>	100	36	+5/0	5.35	18.7	5.72	23.0	-0.40	-0.33	0.05	1,000	1,197 × 552 × 35	8.1
<b>LC150-P36</b>	150	36	+5/0	7.98	18.8	8.50	22.7	-0.42	-0.34	0.06	1,000	1,492 × 673 × 40	12.0
<b>LC205-M72</b>	205	72	+5/0	5.49	37.4	5.86	45.8	-0.40	-0.33	0.05	1,000	1,580 × 808 × 40	14.8
<b>LC250-P60</b>	250	60	+5/0	8.23	30.4	8.81	37.6	-0.42	-0.34	0.06	1,000	1,650 × 992 × 40	18.5
<b>LC260-P60</b>	260	60	+5/0	8.35	32.2	8.83	37.9	-0.42	-0.34	0.06	1,000	1,650 × 992 × 35	18.5
<b>LC300-P72</b>	300	72	+5/0	8.21	36.5	8.80	45.1	-0.42	-0.34	0.06	1,000	1,956 × 992 × 40	21.8
<b>LC310-P72</b>	310	72	+5/0	8.25	37.6	8.84	45.7	-0.42	-0.34	0.06	1,000	1,956 × 992 × 40	22.0

\*) 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)

**BERNT LORENTZ GmbH & Co. KG**

Siebenstuecken 24, 24558 Henstedt-Ulzburg, Germany, Tel. +49 (0) 4193 8806 – 700

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.**