LumaBox Solar-Ready Power Station Series

LumaBox 300 / 500 / 500D / 1000D | Compact LFP backup power for essential devices

300-1000 W	1004.8-2009.6 Wh	11-55 V	IP21
AC output	**Typical capacity**	**Solar input**	**Indoor enclosure**



Product overview

- Pure sine-wave AC output for compatible small appliances.
- Mains and solar charging in a plug-and-play format.
- AC, 12 V DC and USB outputs from one compact enclosure.
- Portable, shelf or wall-mounted installation options.

Model comparison

Model	Capacity	Rated AC output	Solar input	Charge time	Weight
LumaBox 300	1004.8 Wh	300 W	11-55 V; 300 W max	3.5 h	10.1 kg
LumaBox 500	1004.8 Wh	500 W	11-55 V; 300 W max	2 h	10.75 kg
LumaBox 500D	2009.6 Wh	500 W	11-55 V; 550 W max	4 h	18.2 kg
LumaBox 1000D	2009.6 Wh	1000 W	11-55 V; 550 W max	2 h	19.8 kg

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Platform specifications

Battery chemistry	Lithium iron phosphate (LFP)
AC input	90-280 Vac; 45-65 Hz
Solar input	11-55 Vdc; current limit varies by model
DC outputs	4 x 12 V DC and 4 x 5 V USB
Protection	Overcharge, over-discharge, overcurrent, overload, short circuit and fault protection
Enclosure	IP21; indoor use
Operating temperature	0-45 C
Compliance shown	CE and UN38.3
Cycle life	More than 6,000 cycles

Configuration notes

- AC socket type and approved market configuration must be selected before quotation.
- Charge time depends on mains and solar input, irradiance, temperature and load.
- Certification scope and current certificate validity require final confirmation.

Source basis: current HONKILO product pages and supplied product catalog material. Specifications, model availability, certification, warranty and commercial terms are confirmed for the final configuration.