

LEVOCELL LC M800

MICROINVERTER — PRODUCT SPECIFICATION

Product: LC M800 | **Application:** Plug-in solar | **Source models:** HYX-M800-S / HYX-M800-SW

DC INPUT

Specification	LC M800
Recommended PV module power	320–600+ W
Maximum input voltage	65 V d.c.
Start-up voltage	20 V d.c.
MPPT voltage range	16–60 V d.c.
Maximum input current	2 × 16 A d.c.
Maximum input short-circuit current	2 × 20 A d.c.
MPPT quantity	2
Input strings per MPPT	1

AC OUTPUT

Specification	LC M800
Rated output power	800 VA
Rated output current	3.64 A / 3.48 A / 3.33 A
Output voltage / range	220 / 230 / 240 V a.c. / 183–276 V a.c.
Rated frequency / range	50 Hz / 45–55 Hz; 60 Hz / 55–65 Hz
Power factor (adjustable)	>0.99 default / 0.8 leading to 0.8 lagging
Total harmonic distortion (THD)	<3%
Max. microinverters per branch — 10 AWG bus	10 / 11 / 12
Max. microinverters per branch — 12 AWG bus	8 / 8 / 9

PERFORMANCE, PROTECTION & GENERAL

Specification	LC M800
Peak efficiency	96.70%
MPPT efficiency	99.80%
Night-time consumption	<30 mW
Operating temperature	–40 to +65 °C
Dimensions (W × H × D)	252 × 180 × 35 mm
Protection rating	IP67
Cooling method	Natural cooling
Weight	3.0 kg
Communication	Sub-1G / built-in Wi-Fi*
Isolation	High-frequency transformer electrical isolation
Standard warranty	10 years; extendable to 25 years
Standard	IEC 62109-1 / IEC 62109-2

Specification	LC M800
Input reverse-polarity protection	Yes
Output short-circuit protection	Yes
Output overcurrent protection	Yes
Output overvoltage protection	Yes
Anti-islanding protection	Yes

* Communication variant in the source specification: HYX-M800-S uses Sub-1G communication; HYX-M800-SW uses built-in Wi-Fi communication. The LC M800 name is the Levocell product designation.

This datasheet is an English translation/adaptation of the supplied HYX-M800-S / HYX-M800-SW source specification and retains only information applicable to those two M800 variants. Design and specifications are subject to change without notice.