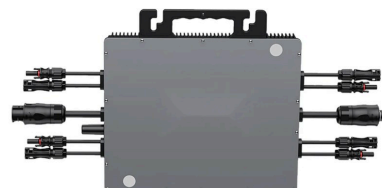


INVERTERS

LS-L1600M

Microinverter · 1.6 kW


1.6 kW

RATED POWER

4

MPPT TRACKERS

96 %

MAX. EFFICIENCY

IP67

PROTECTION CLASS

Parameter	Unit	LS-L1600M
PV input		
Recommended PV module power	W	280 – 550
Start-up voltage	V	20
MPPT voltage range	V	25 – 55
Max. PV input voltage	V	60
Max. input current per MPPT	A	13
Max. short-circuit current per MPPT	A	19
Number of MPPT trackers		4
AC output		
Rated output power	W	1600
Rated AC voltage	V	230
Extended output voltage range	V	184 – 253
Rated AC output current	A	7
Rated AC frequency	Hz	50
AC grid frequency range	Hz	45 – 55
Power factor		>0.99 (default)
Total harmonic distortion (THDi)	%	<3
Max. units per AC branch		3
Efficiency		
Max. efficiency	%	96
CEC efficiency	%	95.5
MPPT efficiency	%	99.5
General data		
Night-time power consumption	W	<0.05

Parameter	Unit	LS-L1600M
Operating temperature range	°C	−40 – 65
Dimensions (W x H x D)	mm	312 × 301 × 43
Weight	kg	7
Ingress protection (IP rating)		IP67
Cooling		Natural convection (no fans)
Topology		High-frequency transformer isolation
Warranty	years	10
Design lifetime	years	25
Communication		
Communication interfaces		Wi-Fi
Monitoring		Online energy-management platform
Certifications		
Certifications and standards		IEC 62109-1; IEC 62109-2; IEC 61000-6
Grid codes		VDE 4105; VRF 2019; NEN-EN 50549-1:2019; PN-EN 50549-1:2019

Specifications are subject to change without notice. Values are typical at 25 °C unless stated.
XUSION is a brand of Hunan New Lithium Aviation Technology Co., Ltd.

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