



LSMi

600/800-MS-01

- Max. MPPT efficiency **99.9%+**
- Wide temperature tolerance **-40°C ~ 65°C**
- Low maintenance requirement
- Easy to install, simple connection
- Natural cooling design
- High frequency isolated



* All pictures shown are for reference only, actual appearance may vary.



DATASHEET

Models	LSMI-600MS-01	LSMI-800MS-01
PV INPUT DATA		
Recommended power of PV modules [W]	320-450 (2 Piece)	360-550 (2 Piece)
Max. input voltage [V]		60
Start up voltage [V]		16
MPPT voltage range [V]		25-55
Max. input current [A]		15/15
Max. short current [A]		20/20
AC OUTPUT/INPUT(GRID)		
Nominal AC power [W]	600	800
Nominal grid voltage [V]		220/230/240
Nominal grid frequency [Hz]		50/60
Max. AC output current [A]	2.7	3.6
Max. units per branch	7	5
Displacement power factor		>0.99
Total harmonic distortion (THDi,Nominalpower)		<3%
Grid connection		L/N/PE
EFFICIENCY		
MPPT efficiency [%]		>99.9
Max. efficiency [%]		96.50
GENERAL DATA		
Dimensions (W*H*D) [mm]	230*190*46.5 (Notinclude handle)	
Weight [kg]	3.5	
Noise emission [dB]	<20	
UserInterface	LED	
DC connection type for PV	MC4	
AC connection type	Dedicated AC connector	
Communication interface	WiFi	
Cooling method	Natural	
Operating ambient temperature range [°C]	-40~+65	
Allowable relative humidity range [%]	0-100	
Max. operating altitude [m]	3000 (>3000 derating)	
Degree of protection	IP67	
Climatic category (IEC 60721-3-4)	4K4H	
Topology	High frequency isolated	
Power consumption at night [W]	<0.05	
Safety&EMC	EN 50549-1, EN 301 489-1/17, EN/IEC 61000-6-1/3, EN 62920, EN 300 328, EN 62479, EN 50663, EN 62311, EN 50665, EN 62109-1/2, UTE C15-712-1, VDE V 0126-1-1, VDE-AR-N 4105, VDE V 0124-100	
PROTECTION FUNCTION		
Anti-islanding protection	Integrated	Integrated
PV string input reverse polarity protection	Integrated	Integrated
Output Over current protection	Integrated	Integrated
Output short circuit protection	Integrated	Integrated
Over voltage protection	Integrated	Integrated
Surge protection	DC Type II, AC Type III	DC Type II, AC Type III

- All specifications are subject to change without notice.
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- Please visit Linsum website for the latest certificates.