



LSMi 600/800-MS

- Max. MPPT efficiency **99.9%+**
- Wide temperature tolerance **-20°C ~ 60°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.

LINK YOUR SUSTAINABLE LIFE

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DATASHEET

Models	LSMI-600MS	LSMI-800MS
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
Nominal input voltage[V]		
MPPT voltage range[V]		25-55
Max. input current[A]	15/15	15/15
Max. short current[A]	20/20	20/20
No. of MPP trackers		
No. of strings per MPP tracker		
BATTERY INPUT DATA		
Battery type		
Input voltage range[V]		
Nominal battery voltage[V]		
Max.dis-/charging current[A]*①		
Charging strategy for Li-Ion battery		
AC OUTPUT/INPUT (GRID)		
Nominal AC power[W]	600	800
Max. apparent AC power[VA]		
Nominal active power from grid [W]		
Max. apparent AC power from grid[VA]		
Max.AC output power (PF=1)		
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, Nominal power)		<3%
Grid connection		L/N/PE
AC OUTPUT DATA (BACK-UP)		
Nominal AC output power[W]		
Peak apparent output power[VA]		
Nominal output voltage[V]		
Nominal output frequency[Hz]		
Max. output current[A]		
Switch time[ms]		
Total harmonic distortion(THDV, @linear load)		
EFFICIENCY		
MPPT efficiency[%]		>99.9%
Max. efficiency[%]	96.50%	96.50%
Euro efficiency[%]		
Charged efficiency @PV-battery		
Charged/discharged efficiency @battery<->grid/load		
PROTECTION		
Anti-islanding protection		Integrated
DC input reverse polarity protection		Integrated
Insulation resistor detection		
Residual current monitoring unit		
Over current protection		Integrated
AC short protection		Integrated
Over voltage protection		Integrated
Surge protection		DC Type II, AC Type II
Battery revers protection		
GENERAL DATA		
Dimensions(W*H*D)[mm]		230*190*46.5 (Not include handle)
Weight[Kg]		3.5
Noise emission[dB]		<20
User Interface		LED
DC connection type for PV		MC4
Battery connection type		Dedicated DC connector
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]		<50mW
STANDARD		
Safety&EMC		IEC62109-1&2, IEC61727, EN 61000-6-1&2&3
Grid		

* All specifications are subject to change without notice.

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* Please visit Linsum website for the latest certificates.