



Intelligent Energy Management With LSSM Series MPPT Solar Charge Controllers

Basic Information

Place of Origin: China
Brand Name: LS
Certification: IP21
Model Number: LSCC
Minimum Order Quantity: 100 units

Price: consult prices onlinePackaging Details: consult online

Payment Terms: T/T



Product Specification

• Max Charging Current: 30A To 100A (Model Dependent)

• PV Input Voltage Range: 48-96V

• Operating Temperature: -10°C To +40°C

• Max PV Input Voltage: 230V (for Smaller Models), 480V (for Larger

Models)

• Efficiency: 96.5% To 99%

Protection Features: Overvoltage, Overcurrent, Short Circuit,

Reverse Connection, And Overcharge

Protection

Communication Interface: 8-pin RS485Operating Altitude: 0-3000m

• Highlight: 96V mppt solar charge controller,

100A mppt solar charge controller, 30A solar charge controllers

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MPPT Solar Chaege Controller

Models:

LSSM30A LSSM60A LSSM100A

LSSM40A LSSM70A LSSM50A LSSM80A

Product Description

The LSSM series MPPT Solar Charge Controllers are designed for optimal energy management in solar systems, featuring automatic maximum power tracking (MPPT) technology. These controllers are highly efficient, providing up to 99% energy conversion for lead-acid, gel, Li-ion, and LifePO4 battery systems. With a robust protection mechanism that includes PV array short circuit, overcharge, overvoltage, and overcurrent safeguards, the LSSM series is built for durability. The system is equipped with temperature compensation, a user-friendly LCD interface, and adjustable charging settings to suit various applications. Available in multiple models, each offering customizable charging currents from 30A to 100A, these controllers provide reliable and intelligent power regulation for both residential and industrial solar installations.

MPPT Model		LSM30 A	LSM40 A	LSM50 A	LSM60 A	LSM70 A	LSM80 A	LSM100A	
Cha	arging mode	MPPT a	automat	ic maxin	numpow	er trackii	ng		
Charging mode		MPPT tracking maximum power,boost charging,balanced charging,floating charging							
	Lead acid battery	(12V/24V/36V/48V/96Vautomatic recognition)+ (12V/24V/36V/48V/60V/72V/84V/96VAdjustable)						48-96V	
Ty pe	Gel Battery	12V/24	12V/24V/36V/48V/60V/72V/84V/96V					48-96V	
tter y	LifePo ₄	Single voltage 3.2*number of strings(2 strings-45 strings adjustable)							
Ва	L4on	Single voltage 3.7*number of strings(2 strings-45 strings adjustable)							
	User defined	adjustable:8V-1/0V							
	ium battery	With PV input, lithium battery charging is activated and can							
acti	vation function	beused without battery DC output The photovoltaic voltage is greaterthanthe batteryvoltage+3V (it							
Min PV start up voltage									
Max PV input voltage		230V				,,		480V	
PV charging current adjustable		0-30A	0-40A	0-50A	0-60A	0-70A	0-80A	0-100A	
Temperaturecompensa tion		Automatically compensate the charging voltage and current according to the battery temperature toprolong the battery life							
LCD touch button		LCD display:(power generation/photovoltaic voltage/battery voltage/charging current power/operation status) Settings:(battery type,charging current,restore factory settings),EN/CNdisplay							
485 communication		8-pin RS485 communicationinterface (enquire about operation status and settings)							
Operating ambient temperature		-10°C~+40°C							
Static power consumption		2W							
Overall efficiency		96.5%~99%							
Temperature protection		+85C							
Temperature rise protection		Reduce power output above +80°C							
Protection function		PVarray short circuit,overvoltage,overcurrent reverse connection protection,battery overcharge,reverse connection protection,undervoltage protection							
	nidity	0-90%RH(no condensation)							
Med grad	chanical protection de	IP21							

Altitude	0~3000m				
Dimensions	202mm*215mm*100mm 218mm*265mm*100mm 285mm*332mm*146mm				
Netweight/Gross weight	1.95KG 2.6KG 7.7KG				
Package dimensions	265mm*224mm*120mm 315mm*240mm*120mm 430mm*375mm*238mm				
Note:The data isfor refe	ote:The data isfor reference only andsubject to change withoutnotice				

Application

Ideal for off-grid solar power systems in residential, commercial, and industrial settings. The LSSM series efficiently charges battery banks for various energy storage systems, maintaining stability even in high-demand environments. The controllers support a range of battery types, including customizable options for specific needs, and are designed for use in environments with fluctuating temperature conditions.

Shipping Methods

Supports global air and sea shipping.







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