

LESSO



MPPT Solar Controller

>> Models:

LSSM30A

LSSM60A

LSSM100A

LSSM40A

LSSM70A

LSSM50A

LSSM80A



LESSO MPPT Solar Controller

MPPT Model		LSSM30A	LSSM40A	LSSM50A	LSSM60A	LSSM70A	LSSM80A	LSSM100A
Charging mode		MPPT automatic maximum power tracking						
Charging mode		MPPT tracking maximum power, boost charging, balanced charging, floating charging						
Battery Type	Lead acid battery	(12V/24V/36V/48V/96V automatic recognition) + (12V/24V/36V/48V/60V/72V/84V/96V Adjustable)					48-96V	
	Gel Battery	12V/24V/36V/48V/60V/72V/84V/96V					48-96V	
	LifePo ₄	Single voltage 32 * number of strings (2 strings - 45 strings adjustable)						
	Li-ion	Single voltage 37 * number of strings (2 strings - 45 strings adjustable)						
	User defined	DC discharge limit voltage of equalizing and floating charge is adjustable: 8V-170V						
Lithium battery activation function		With PV input, lithium battery charging is activated and can be used without battery DC output						
Min PV start up voltage		The photovoltaic voltage is greater than the battery voltage+3V (it can also be charged with small current in rainy days)						
Max PV input voltage		230V					480V	
PV charging current adjustable		0-30A	0-40A	0-50A	0-60A	0-70A	0-80A	0-100A
Temperature compensation		Automatically compensate the charging voltage and current according to the battery temperature to prolong 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/CN display						
485 communication		8-pin RS485 communication interface (enquire about operation status and settings)						
Operating ambient temperature		-10°C ~ +40°C						
Static power consumption		2W						
Overall efficiency		96.5%~99%						
Temperature protection		+85°C						
Temperature rise protection		Reduce power output above +80 °C						
Protection function		PV array short circuit, overvoltage, overcurrent reverse connection protection, battery overcharge, reverse connection protection, undervoltage protection						
Humidity		0~90% RH (no condensation)						
Mechanical protection grade		IP21						
Altitude		0~3000m						
Dimensions		202mm*215mm*100mm			218mm*265mm*100mm		285mm*332mm*146mm	
Net weight/Gross weight		1.95KG			2.6KG		7.7KG	
Package dimensions		265mm*224mm*120mm			315mm*240mm*120mm		430mm*375mm*238mm	

Note: The data is for reference only and subject to change without notice