

LESSO



MPPT Solar Charge Controller

>> Models:

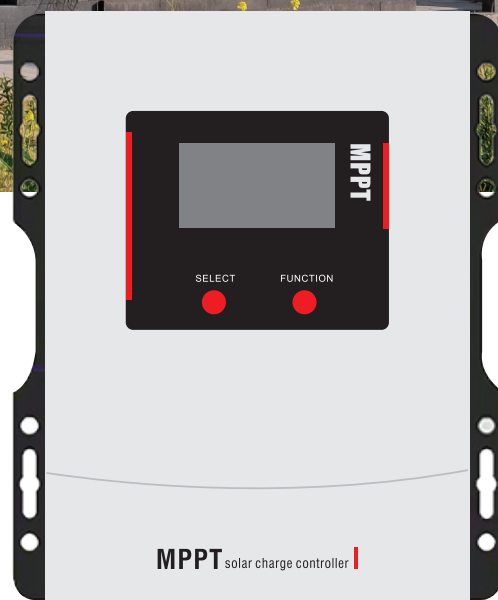
LSSM30A

LSSM80A

LSSM40A

LSSM100A

LSSM60A



LESSO MPPT Solar Charge Controller

MPPT Model	LSSM30A	LSSM40A	LSSM60A	LSSM80A	LSSM100A
System rated voltage	12/24/36/48VDC or self-identification				
Controller operating voltage range	12~64V				
Lead-acid battery type	Maintenance-free (default)/colloid/liquid/custom				
Lithium battery type	Lithium Iron Phosphate/Ternary Lithium/Custom				
Rated charging current	30A	40A	60A	80A	100A
Rated charging power	390W/12V 780W/24V 1170W/36V 1560W/48V	550W/12V 1100W/24V 1650W/36V 2200W/48V	800W/12V 1600W/24V 2400W/36V 3200W/48V	1040W/12V 2080W/24V 3120W/36V 4160W/48V	1300W/12V 2600W/24V 3900W/36V 5200W/48V
Maximum open circuit voltage of photovoltaic modules	150V (under the lowest temperature condition) 138V (under 25°C condition)				
Maximum power point operating voltage range	12V system	20~150VDC		20~150VDC	
	24V system	36~150VDC		36~150VDC	
	36V system	48~150VDC		48~150VDC	
	48V system	54~150VDC		64~150VDC	
Tracking efficiency	≥99.5%				
Maximum conversion efficiency	97.5%	98%			
Temperature compensation coefficient	-3mV/°C/2V				
Static loss	200mA/12V; 100mA/24V; 50mA/48V;	350mA/12V; 170mA/24V; 84mA/48V;		700mA/12V; 350mA/24V; 175mA/48V;	
DC load output voltage	Can be turned on in 12/24V mode				
DC load rated output current	20A	40A			
DC load output control	Normally open normally closed mode/time control mode/light control mode				
Protective function	PV input reverse connection protection, battery input reverse connection protection, battery overcharge protection, battery undervoltage protection, battery over temperature protection, machine over temperature protection				
Cooling method	Wind cooling				
Way of communication	RS485				
LCD backlight time	Default 60S, backlight mode can be set				
Working environment temperature range	-20°C~+50°C				
Storage temperature range	-40°C~+70°C				
Relative humidity range	0~90%RH				
Dimensions	210*150*80mm	219*260*110mm	219*260*110mm	275*348*109mm	275*348*109mm
Recommended wiring	9AWG/6mm ²	7AWG/10mm ²	6AWG/16mm ²	4AWG/25mm ²	2AWG/35mm ²
Net weight	1.45kg	2.62kg	2.62kg	4.6kg	5.2kg

Remarks: Specifications are subject to change without notice.