



### LVC Series MPPT SCC

- Intelligent max power point tracking tech
- DSP control tech with high efficiency
- Auto adjust 12V/24V/48V
- PV wide voltage range input
- Three stage charging tech
- Multiple protection functions
- Floating charge voltage setting





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## Technical Parameters

Mode	LVC40A	LVC50A	LVC60A	LVC100A	LVC120A	LVC II 48V100A	LVC II 96V100A
Rated current	40A	50A	60A	100A	120A	100A	100A
Max current	41A	51A	61A	101A	121A	101A	101A
System voltage	12V/24V/48V(自动识别)					48V	96V
Size:(L*W*Hmm)	225*290*95			270*365*120		270*365*120	
package size (L*W*Hmm)	345*255*160			315*420*170		315*420*170	
N.W. (KG)	2.6			6.8		6.8	
G.W.(KG)	3			8.5		8.5	
Charge mode	MPPT Automatic maximum power point tracking						
Charge method	Three stage:Boost,Equalize,Float						
Start up time	≤10s						
Dynamic response time to recover	≤500us						
Quiescent dissipation	≤2W						
Efficiency	≥96.5%						
Identify range of battery voltage	12V: DC9V-15V 24V: DC18V-30V 48V: DC36V-60V					48V: DC36V-60V 96V: DC72V-120V	
MPPT working Range	12V: DC20V-100V 24V: DC38V-150V 48V: DC65V-150V					48V: DC65V-250V 96V: DC145V-300V	
Max PV input	12V: 360W/480W/600W/720W/1200W/1440W					48V:4800W 96V: 9600W	
	24V: 720W/960W/1200W/1440W/2400W/2880W						
	48V: 1440W/1920W/2400W/2880W/4800W/5760W						
Display	LCD+LED						
Input polarity reverse connection protection	Yes						
Output polarity reverse connection protection	Yes						
Low voltage protection	Yes						
High voltage protection	Yes						
Short circuit protection	Yes						
Over temperature protection	+85°C						
Cooling method	air cooling, fan speed is regulated by temperature, when internal temperature is low; when the controller stops working, the fan stops working						
Noicy	≤50dB						
humidity	<95% (without condensing)						
Height	0~3000M						
Temperature	-20°C~+40°C						
Storage temperature	-40°C~+70°C						



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