



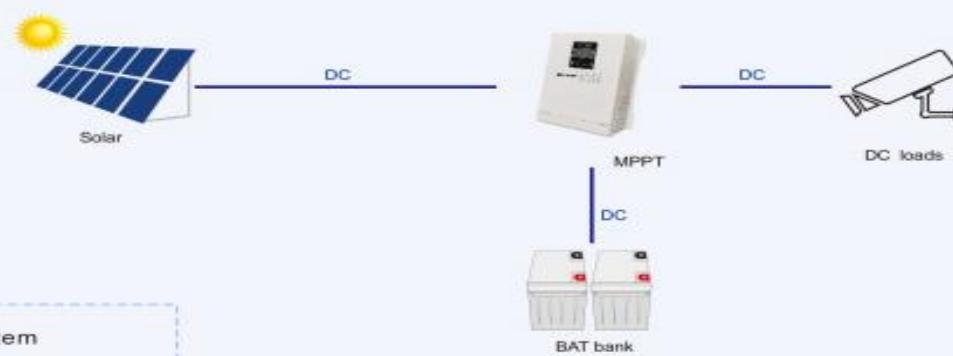
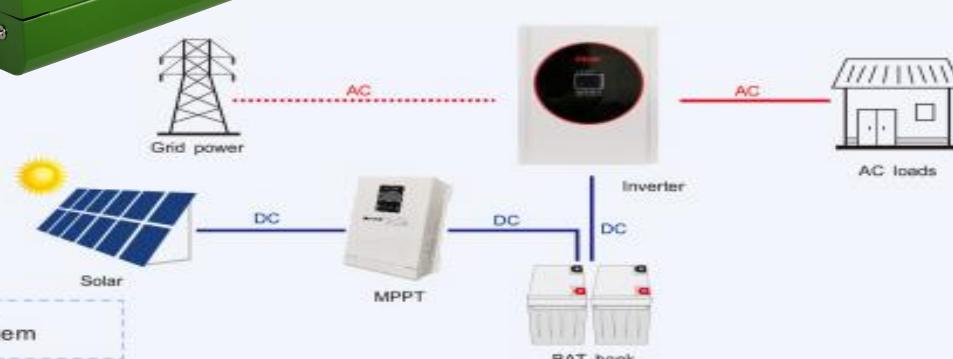
# FNEP

## FNEP-JE-MPPT



### 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 24V:720W/960W/1200W/1440W/2400W/2880W 48V:1440W/1920W/2400W/2880W/4800W/5760W				48V:4800W 96V:9600W					
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									
Noisy	≤50dB									
humidity	<95% (without condensing)									
Height	0~3000M									
Temperature	-20°C~+40°C									
Storage temperature	-40°C~+70°C									



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