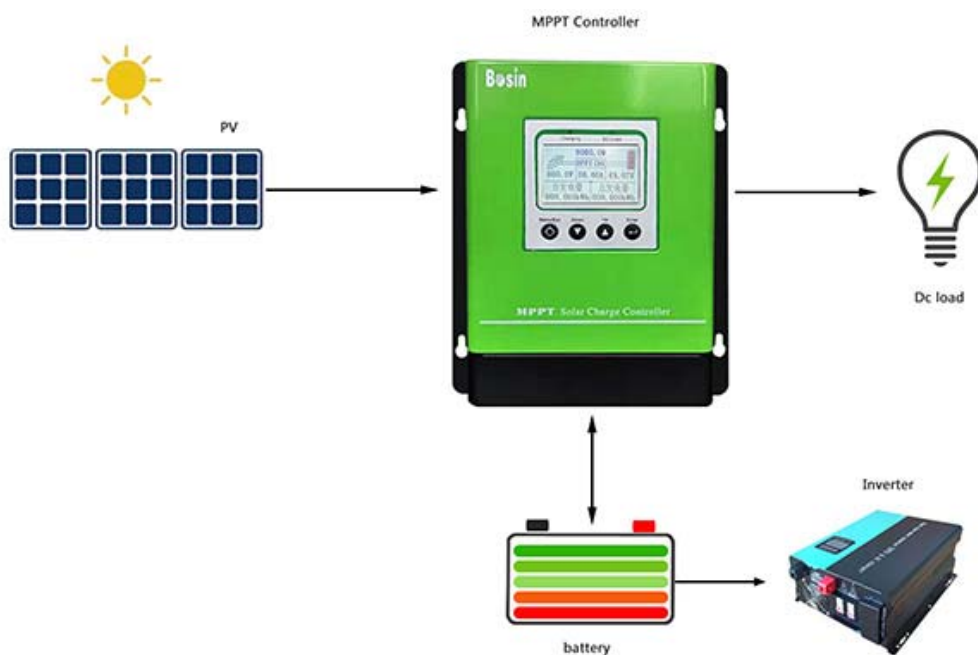




- Support lead-acid, gel, liquid & lithium battery
- Support non-standard custom charge & discharge parameter adjustment
- Cumulative record of daily & total electricity generation
- 12~192V system MPPT solar controller PV150~450Vdc
- Check the running state of the system at any time
- Communication port RS485 with optional Wifi / GPRS wireless monitoring
- Protection against overvoltage, undervoltage, polarity reverse connection, short circuit, overtemperature

Products are widely used in solar off-grid photovoltaic power generation, special industrial, and mining charging, & discharging management system.



Technical Parameters

Model (MP)		30A	40A	50A	60A	80A	100A
Voltage		12~48V					
Charging patterns		MPPT automatic maximum power point tracking					
Charging modes		Constant current (MPPT), balanced charge, floating charge					
Voltage range	12V system	9~15Vdc					
	24V system	18~30Vdc					
	36V system	27~45Vdc					
	48V system	36~60Vdc					
Maximum solar panel power input	12V system	420W	570W	700W	900W	1120W	1400W
	24V system	840W	1130W	1400W	1700W	2250W	2800W
	36V system	1230W	1700W	2100W	2550W	3350W	4200W
	48V system	1650W	2250W	2800W	3400W	4400W	5500W
Model (MP)		30A	40A	50A	60A	80A	100A
Voltage		60~96V					96~192V
Charging patterns		MPPT automatic maximum power point tracking					
Charging modes		Constant current (MPPT), balanced charge, floating charge					
Voltage range	60V system	Manual settings					
	72V system	Manual settings					
	96V system	72~120Vdc					
	192V system	144~240Vdc					
Maximum solar panel power input	60V system	2000W	2800W	3500W	4200W	5300W	6800W
	72V system	N/A	3360W	4200W	5000W	6400W	7950W
	96V system	N/A	N/A	5500W	6500W	8500W	10600W
	192V system	N/A	N/A	N/A	N/A	16000W	20000W
MPPT working voltage range	12V system	18~150Vdc					
	24V system	34~150Vdc					
	36V system	48~150Vdc					
	48V system	65~150Vdc					
	60V system	72~150Vdc					
	72V system	80~150Vdc					
	96V system	130~180Vdc					
	192V system	260~420Vdc					
Limiting input voltage		12/14/36/48/60/72V (160V)		96V (235V)	192V (430V)		
Protection		Overvoltage, undervoltage, polarity reverse connection, short circuit, overtemperature					
Communication		RS485, Wifi / GPRS (optional)					
Soft start time		≤10s					
Dynamic response recovery time		≤500μs					
Machine efficiency		≥96.5%					
PV module utilization		≤99.97%					
Battery type (optional)		Lead-acid maintenance-free battery, gel battery, liquid battery, Li-battery					
PV configuration (recommended)	12V system*	18~60V [30V module (x1), 36V module (x1)]					
	24V system*	36~72V [30V module (x2), 36V module (x2)]					
	36V system*	60~144V [30V module (x4), 36V module (x3), 40V module (x2)]					
	48V system*	72~144V [30V module (x4), 36V module (x3), 40V module (x2)]					
	60V system*	72~144V [30V module (x4), 36V module (x3), 40V module (x2)]					
	72V system*	108~144 [30V module (x4), 36V module (x4), 40V module (x3)]					
	96V system*	144~180V [30V module (x6), 36V module (x5), 40V module (x4)]					
	192V system*	240~400V [30V module (x10), 36V module (x9), 40V module (x9)]					
ENVIRONMENTAL							
Altitude		0~3000m					
Humidity		10~90% (non-condensing)					
Temperature		-20~40°C					
Mechanical protection type		IP21					