

For off-grid application

- Supports dual independent MPPT, electrically isolated
- Up to 500V PV input voltage, ideal for high power.

User-Friendly

- Ruilt_in Riuetooth to monitor the device via mobile ΔPP
- Intelligent air-cooled cooling

Safety

- Multiple hardware and software protections
- Stable operation in various environments

All-in-One

- Up to 100A charging curren
- Up to 16 units in parallel

Efficient

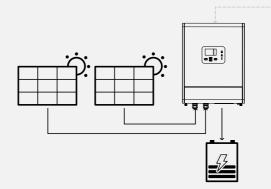
- Supports voltage line loss compensation
- Multiple charging modes available

Intelligent

- Supports TTL_RS485_CAN (RV=C protocol) communication
- Supports remote control of charging switch



MODEL	MF48100N50	CAN BE SET
PV INPUT		
Num. of MPPT Trackers	2	
Max. Open Circuit Voltage	500Vdc+500Vdc	
MPPT Voltage Range	80V~ 450V	
Max. Input Current	20A+20A	
Max. Input Power	3,000W+3,000W	
Start-up Charging Voltage	120V	
Number of Parallel	1~16 units	✓
BATTERY		
Battery Type	USE / FLD / GEL / LI / SLD(default)	✓
Battery Voltage	48Vdc	
Battery Voltage Range	36~64Vdc	
Max. Charging Current	100A	✓
Charging Current Per MPPT	50A	✓
EFFICIENCY		
MPPT Tracking Efficiency	99%	
Max. Charging Conversion Efficiency	96%	
COMMUNICATION		
Standard	Built-in Bluetooth, TTL(connect to WiFi), RS485	
Optional	CAN (RV-Cprotocols)	
Programmable relays	NO, C, NC -current limit: DC: 10A,30VDC/ AC: 10A,250VAC	
GENERAL		
Dimensions	440*340*124mm	
Weight	11kg	
Protection Degree	IP21	
Cooling Method	Intelligent fan	
Warranty	3 Years	
Ambient Temp	−20°C~65°C	
CERTIFICATION		
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Bluetooth

Wiring diagram

www.szshuori.com