

MPPT Solar Charge Controller is suitable for solar off-grid systems (standalone system), especially for street light control system, automatically adjusts the charging and discharging.

Muse controller has an advanced internal tracking algorithm to obtain the maximum power of solar modules to charge the accumulator; Meanwhile, the low voltage disconnect (LVD) function can prevent the battery from damage caused by excessive discharge.

Muse controller battery charging process is optimized, can extend battery life and improved system performance.

Its comprehensive self-test function and electronic protection functions can be avoided the controller damage due to installation errors and system failures.

System Rated Voltage	12/24V Adaption	48V	96V
Rated Charging Current	10-80A		
Rated Discharging Current	10-80A		
Maximum Battery Voltage	32V	64V	128V
Maximum PV Voltage	150V	300V	300V
Static losses	<50mA (24V)		
Charging circuit voltage drop	=0.28V		
Discharging circuit voltage drop	=0.16V		
Communication	RS485/8-pin RJ45 connector		
Working Temperature	-25°C-- +55°C		
Storage Temperature	-35°C-- +80°C		
Humidity Range	10%-90% without condensation		
Ingress Protection	IP30		
Altitude	=3000M		
Mounting Hole Size	Φ5		
Connecting Terminal	20mm ²		