

# KOLSAT



## KOLSAT MPPT Solar Charge Controller LCD

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## MPPT Solar Charge Controller LCD / LED 5 ~ 60 A

MPPT Solar Charge Controller LCD / LED 5 ~ 60 A applications in solar home system, public security monitoring system, solar street lamp system, DC signal light power supply system, small and medium-sized telecommunication station, small PV power station and solar DC power supply system.

### KOLSAT MPPT Solar Charge Controller LCD

Specification						
Model	F2448-10/M	F1224-20/M F2448-20/M	F1224-30/M F2448-30/M	F1224-40/M F2448-40/M	F1224-50/M F2448-50/M	F1224-60 F2448-60
System voltage	12V / 24V ; 24V/ 48V					
Rated Charging Current	10A	20A	30A	40A	50A	60A
Rated Load Current	10A	20A	30A	40A	50A	60A
PV panels configuration(suggestion) (Imp ≤ rated current)	≤10A	≤20A	≤30A	≤40A	≤50A	≤60A
Battery capacity	38Ah~800Ah					
Max. Efficiency	> 98%					
Static dissipative	< 0.5% (system rated current)					
Solar battery port Input voltage range	12V: 0-24V; 24V: 0-48V; 48V:0-95V					
Rated battery voltage	12V / 24V ; 24V / 48V					
Buck Charge Voltage	14.4V / 28.8V ; 28.8V/57.6V					
Overcharge protection	14.5V / 29.0V ±1% ; 29.0V / 58.0V±1%					
Charging resume voltage	13.2V /26.4V±1% ; 26.4V / 52.8V±1%					
Undervoltage alarm	11.2V /22.4V±1% ; 22.4V / 44.8V±1%					
Overdischarge protection	10.8 V / 21.6 ±0.3V ; 21.6V / 43.2 ±0.3V					
Overdischarge resume start voltage	13.2 V / 26.4 ±1% ; 26.4 V / 52.8 ±1%					
discharge circuit voltage drop	< 5 % (System rated voltage)					
Overload, short-circuit protection	125% (60S) / 150% (30S) / short-circuit auto shut down;					
PV Reverse Polarity Connection Protection	YES					
Display	LCD + LED					
Alarm mode	sound (optional) /light alarm					
Control mode	Switch control / PWM					
Working temperature	-20°C ~ +45°C					
Relative humidity	0-95% (noncondensing)					
Storage temperature	-25°C ~ +85°C					
Storage humidity	≤85%					
Dimension (mm)	136×100×35					
Installation method	hanging vertical installation					
Packing dimension (mm)	164×168×55					