

General load series

SL2410/SL2420/MPL1210/MPL2410/MPL2415/MPL2420



Performance characteristics

- Multiple types of batteries are optional.
- Load normally on mode, available for 24-hour power supply load.
- Flat voltage output, available for connecting to router and camera.
- Waterproof rate: IP67
- Protection Functions.
- Lithium battery overcharge protection.

Parameters

Models	SL2410	SL2420	MPL1210	MPL2410	MPL2415	MPL2420	Parameters adjustable		
Charge method	PWM	PWM	MPPT	MPPT	MPPT	MPPT			
Zero load loss	10mA/12V 13mA/24V	10mA/12V 13mA/24V	5mA/12V	6mA/12V 4mA/24V	10mA/12V 5mA/24V	<10mA/12V <5mA/24V			
System voltage	12V/24V	12V/24V	12V	12V/24V	12V/24V	12V/24V	√	Lead	
Sleep power consumption	/		1mA						
Maximum load power	120W/12V 240W/24V	240W/12V 480W/24V	120W/12V	120W/12V 240W/24V	180W/12V 360W/24V	240W/12V 480W/24V			
Max load current	10A	20A	10A	10A	15A	20A			
Load mode	5 load working modes	5 load working modes	Street light +always on mode	Street light +always on mode	Street light +always on mode				
Rated charge current	10A	20A	10A	10A	15A	20A			
Max solar panel power	150W/12V 300W/24V	300W/12V 600W/24V	130W/12V	130W/12V 260W/24V	200W/12V 400W/24V	260W/12V 520W/24V			
Solar panel input voltage	< 50V	< 50V	< 50V	< 60V		≤100V			
Load current accuracy (Lead-acid)	7.5V ~17.00V settable ; ×2/24V system							√	14.6V
Equalizing charge time (Lead-acid)	1 hour								
Equalizing charge interval (Lead-acid)	2 hours								
Boost charge voltage (Lead-acid)	7.5V ~17.00V settable ; ×2/24V system							√	14.4V
Boost charge time (Lead-acid)	4 hours								
Floating charge voltage (Lead-acid)	7.5V ~17.00V settable ; ×2/24V system							√	13.8V
Temperature compensation coefficient (Lead-acid)	PB : -3.0mV/°C/2V ; (No temperature compensation for lithium battery system)								
Overcharge voltage (lithium)	7.5V ~17.00V settable ; ×2/24V system							√	14.6V
Overcharge return voltage (lithium)	7.5V ~17.00V settable ; ×2/24V system							√	13.6V
Over discharge voltage	7.5V ~17.00V settable ; ×2/24V system							√	11.0V
Over discharge return voltage	7.5V ~17.00V settable ; ×2/24V system							√	12.6V
Light control voltage	3V ~ 11V ; ×2/24V system							√	5V
Operating temperature	-35°C ~ +65°C								
IP rating	IP67								
Weight (g)	140	300	260	400	510	770			
Dimensions (mm)	58*82*20	100*80*20	80*82*22.6	114*88.3*24.5	142*88.3*24.5	155*114.4*34			
Installation size (mm)	43*75	86*75	66*75	74*82.3	102*82.3	116*102			