

SLZ30 solar regulator



- * Microcontroller and dedicated software for precise control.
 - * Work Mode—Light control, light control & timer setting, normal control, test
 - * Protection against overload, short circuit and reverse connection
 - * Utilizes Serial Mode PWM Control for Maximum Efficiency
 - * Digital LED Indicator Light
 - * Temperature Compensation
 - * Half power control for LED lamp
 - * Wide Temperature Working Range of -35°C to 50°C
- Setting Table of Operation Mode

LED display Working code LED display Working code

Mode	LED	Mode	LED
Light-off open + Light-off off	0	Light-off open + 9 hour delay	9
Light-off open + 1 hour delay	1	Light-off open + 10 hour delay	0.
Light-off open + 2 hour delay	2	Light-off open + 11 hour delay	1.
Light-off open + 3 hour delay	3	Light-off open + 12 hour delay	2.
Light-off open + 4 hour delay	4	Light-off open + 13 hour delay	3.
Light-off open + 5 hour delay	5	Light-off open + 14 hour delay	4.
Light-off open + 6 hour delay	6	Light-off open + 15 hour delay	5.
Light-off open + 7 hour delay	7	Universal Charger mode	6.
Light-off open + 8 hour delay	8	Debug mode	7.

Application & Specifications:

Solar Street lights, Solar Garden lights, Lawn lamp, Solar advertisement, Solar traffic warning lamps

Model No.	6A	10A	15A	20A	30A
Rated solar input	6A	10A	15A	20A	30A

Rated Load Current	6A	10A	15A	20A	30A
System voltage	DC12V; DC12V/24V AUTO; 36V(30A),48V (30A),				
Over load、short circuit protection	1.25 rated load current 60sec,1.5 rated loads current 5sec, over load				
No load current	<=6 mA				
Charging circuit voltage drop	<=0.26V				
Load circuit voltage drop	<=0.15V				
Over voltage protection	17V,×2/24V;				
Work Temperature	Industry stage: -35°C to +55°C;				
Boost charge voltage	14.6V;×2/24V;(keep:10min)				
Direct charge voltage	14.4V; ×2/24V;(keep:10min)				
Float charge voltage	13.6V; ×2/24V;				
Charge return voltage	13.2v;×2/24V;				
Temperature compensation	-5mv/°C/2V (Boost charge、 Direct charge、 Float charge、 charge return				
Lower voltage indicate	12.0V;×2/24V;				
Over discharge voltage	11.1V(no load)- real-time modified voltage by the discharge rate:×2/24V				
Over discharge return voltage	12.6V;×2/24V;				
Control mode	PWM charge mode; modified discharge voltage by the discharge rate				

Mounting dimension and precautions:

Controller dimensions:

SLZ30-6A 140×90×26(mm); SLZ30-10A 140×90×26(mm); SLZ30-15A 140×90×26(mm);
SLZ30-20A 140×90×36(mm); SLZ30-30A 140×90×36(mm);