

PWM Solar Charge Controller Flush Mount & Flat Fixture

PWM series
P2410C/P2420C



Product Features

- Designed for flush mount installation, in RV or power cabinet solar charge applications.
- Extra back bracket for flat surface installation use.
- Supports 12V/24V battery system, with 10A & 20A models available.
- Optimized structure design with PWM 3-phases charge control.
- Extra USB output of 5V 1A.



CE RoHS

Full-range protection



Overcharge Protection



Over-discharge Protection



Short-circuit Protection



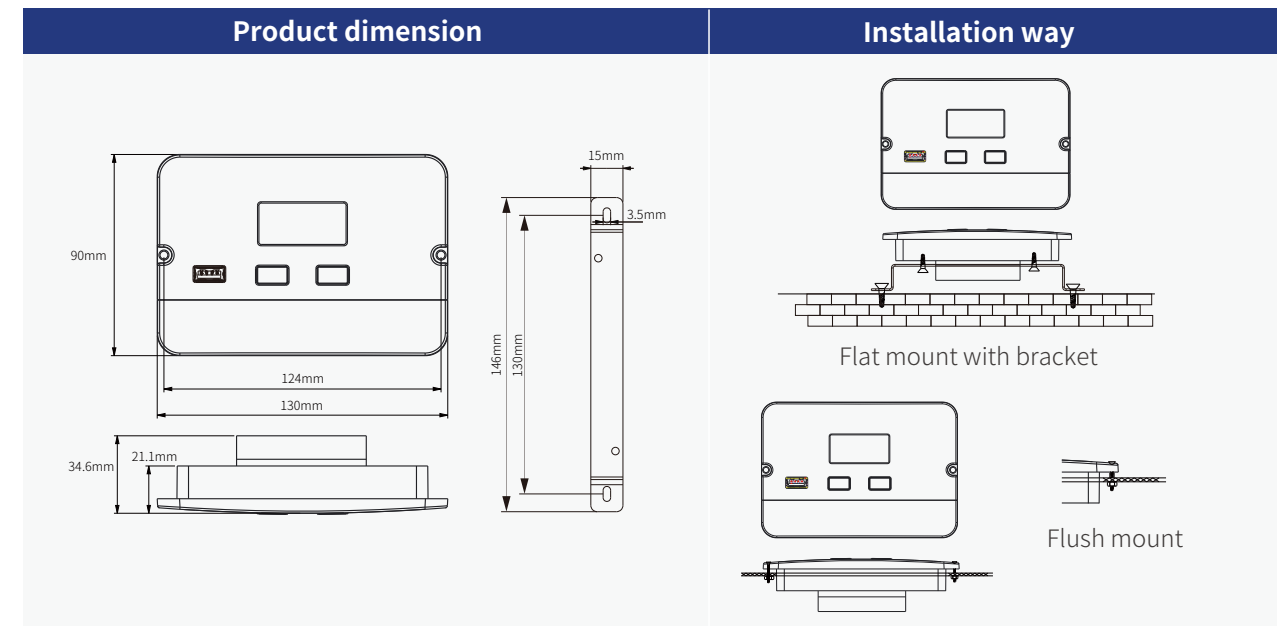
Reverse Protection



Overheat Protection



Overload Protection



Controller Parameter	Value	
Model No.	P2410C	P2420C
Battery System Voltage	12V/24V Auto (FLD/GEL/SEL) Manual (Li)	
No-load Loss	8mA/12V;12mA/24V	
Max Solar Input Voltage	<55Voc	
Rated Solar Charge Current	10A	20A
Max Solar Input Power	170W/12V;340W/24V	340W/12V;680W/24V
Light Control Voltage	5V*n	
Light Control Delay Time	10s	
Max Load Output Current	10A	20A
USB Output	5V 1A	
Operating Temperature	-35°C ~ +45°C	
IP Protection	IP32	
Net Weight	0.2kg	0.21kg
Operating Altitude	≤ 3000 m	
Controller Dimension	130*90*34.6mm	

Battery Voltages	Battery Parameters			
Battery Types	FLD	SEL	GEL (default)	LI (adjustable)
Equalize Charge Voltage	14.8V*n	14.6V*n	-	-
Boost Charge Voltage	14.6V*n	14.4V*n	14.2V*n	Default: 14.2V*n
Float Charge Voltage		13.8V*n		-
Boost Charge Recovery Voltage		13.2V*n		-
Over-discharge Recovery Voltage		12.6V*n		-
Over-discharge Voltage		11.1V*n		Default: 11.1V*n

Accessory List	Package Status
Extra Mounting Bracket	Yes
User Manual	Yes