

PWM Solar Charge Controller ...

P2410
P2420

PWM Solar Charge Controller

12/24V Auto Recognition 10A/20A



P2410 / P2420 is a solar charge controller with advanced Pulse Width Management (PWM) 3-phase charge technology, for small size solar stand alone power system. It is a basic and typical solar controller model, widely used all around the world, with various kinds of uses.

Key Figures

- Full range of electronic protections
- Lead-acid AGM/GEL/Flooded & Lithium batteries supportable
- LCD display & key operation for parameter settings
- Multiple MOSFET & optimized PCBA design for better cooling effect

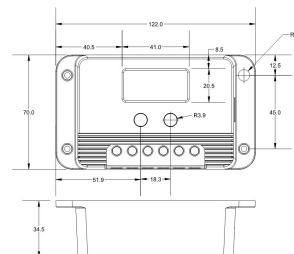
Extensive Functions

- Li mode use for lithium battery charge & discharge
- Up to 17 kinds of DC load output control, including "dusk to dawn" & manual switch
- Extra USB 5V 1A DC output
- One more year of warranty than other similar models in the market

Solar Charge Bag Specialist



Controller Parameter	Value				
Model No.	P2410		P2420		
Battery System Voltage	12V/24V Auto (FLD/GEL/SLD) Manual (LI)				
No-load Loss	12ma/12V; 10ma/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		
Operating Temperature	-35°C ~ +45°C				
IP Protection	IP32				
Net Weight	0.2 kg				
Communication Port	RS485				
USB Output	5V 1A				
Operating Altitude	≤ 3000 meters				
Controller Dimension	139*90*34.5mm				
Battery Voltages	Battery Parameters				
Battery Types	FLD	SEL	GEL (default)	USER (adjustable)	LI (adjustable)
Equalize Charge Voltage	14.8V*n	14.6V*n	-	Default	-
Boost Charge Voltage	14.6V*n	14.4V*n	14.2V*n	Default: GEL	Default: 14.2V*n
Floater Charge Voltage		13.8V*n		Default: GEL	-
Boost Charge Recovery Voltage		13.2V*n		Default: GEL	-
Over-discharge Recovery Voltage		12.6V*n		Default: GEL	-
Over-discharge Voltage		11.1V*n		Default: GEL	Default: 11.1V*n



Application scenarios

