



PWM Solar Charge Controller

Regular series

P2410/P2420

Product Features

- Supports 12V/24V battery system, with 10A & 20A models available.
- Optimized structure design with PWM 3-phases charge control.
- Supports lithium battery charge management.
- 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

Product dimension	Example : Solar Portable Bag			
Controller Parameter	Value			
Model No.	P2410			P2420
Battery System Voltage	12V/24V Auto (FLD/GEL/SEL/USE) 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
Operating Temperature	-35°C ~ +45°C			
IP Protection	IP32			
Net Weight	0.17kg			
USB Output	5V 1A			
Operating Altitude	≤ 3000 m			
Controller Dimension	122*70*34.5mm			
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			
User Manual	Yes			