

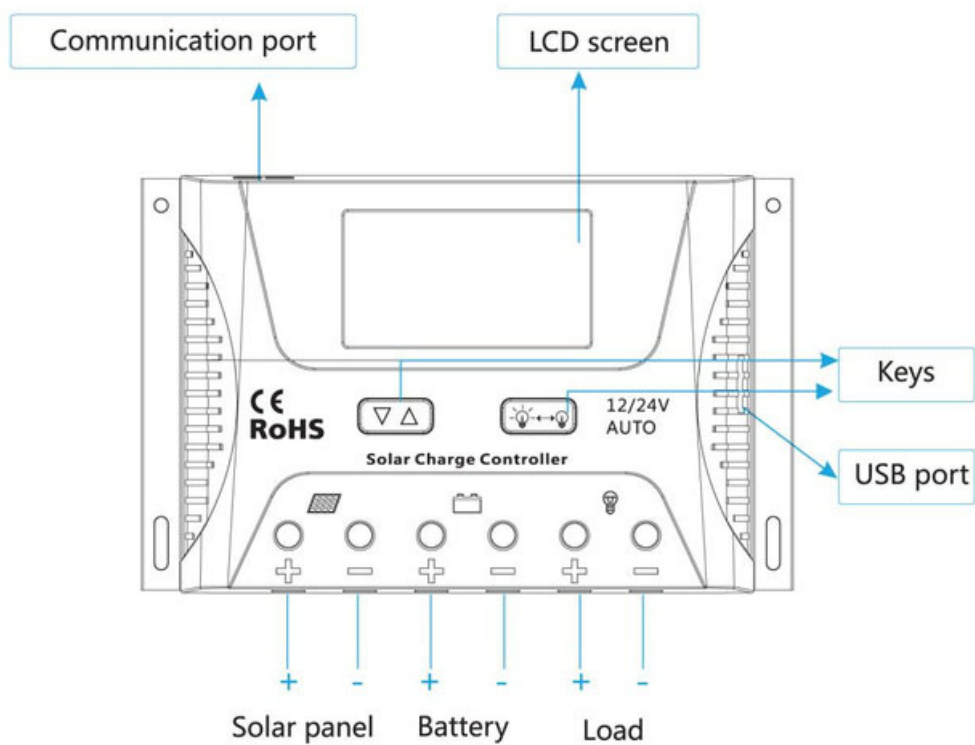
PWM solar charge controller 55V input; 12V/24V,60A



Product Features

1. Except HP4840 /30, 12V/ 24 V system voltages are automatically recognized.
2. Charging program options for sealed, GEL and flooded lead-acid batteries and lithium batteries are available.
3. An upgraded 3-stage PWM charging algorithm is adopted. Application of an equalizing charge to the battery periodically or when over discharged, can effectively prevent the battery from non-equalization and sulfuration, thus extending the battery's service life (with the exception of GEL and lithium batteries).
4. With temperature compensation employed, charging parameters can be automatically adjusted (with the exception of lithium batteries).
5. A wide range of load working modes facilitate the product's application to different types of street lights and monitoring devices.
6. The product provides overcharge, over-discharge, overload protection, as well as short-circuit and reverse-connection protection.
7. By virtue of an advanced load starting method, large-capacitance loads can be started smoothly.
8. A range of parameter settings and power-down saving functions are available ,thus requiring no repeated setting.
9. The product provides a dot matrix graphic LCD screen and a human-machine interface with 2 keys.
10. The user-friendly design of browser and dynamic interfaces ensures convenient and intuitive operations.
11. (An optional communication function) provides a RJ12 data port (output of TTL232 level or bluetooth signals), with the data adopting the standard Mod bus protocol, and can be used together with our upper computer monitoring software.
12. Boasting an industrial grade design, the product can function well in various tough conditions.
13. TVS lighting protection is adopted.














Panel Structure



Product Detail



State Indicators

LCD Icon	Indicated Object	State	Meaning
	Day recognition	Steady on	Day time
	Night recognition	Steady on	Night time
	Solar Panel	Steady on	Solar Panel indication
BOOST	Charging state	Steady on	Boots charging
FLOAT		Steady on	Floating charging
EQUATIZE		Steady on	Equalizing charging
	Battery	Quick flashing	Battery over voltage Battery over-
		Slow flashing 4	discharge 100% 75%
	Battery SOC	dashes 3	50%
		dashes	25%
		2 dashes	0% Load turned on Load turned off
		1 dashes	Overload or short-circuit protection
		0 dashes	
	Load	Steady on	
		Steady on	
		Quick flashing	



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