

Parameter Details

Model	HP2430						Remarks
Rated current	30A						
System voltage	Automatic recognition of 12V/24V						Default automatic identification
Rated power	12V/450W 24V/900W						
No-load loss	< 13mA/12V; < 15mA/24V						The lower the system voltage, the smaller the no-load loss.
Max. Solar energy input voltage	<55						
Max. voltage at the battery end	<34V						
Battery type	Parameters						
	Flooded FLD	Sealed SLD	GEL GEL		Lithium LI		Default SLD
Overvoltage protection	16. 0V						×1/12V; ×2/24V; ×3/36V; ×4/48V;
Equalizing charging voltage	14.8	14.6	-		-		
Boost charging voltage	14.6	14.4	14.2		14.4		
Floating charging voltage	13.8	13.8	13.8		-		
Charging recovery voltage	13.2V						
Over-discharge recovery voltage	12.5V（settable with the keys）						

Over-discharge voltage	11.0V (settable with the keys)			
Equalizing charging interval	30days	-	-	
Equalizing charging time	1H	-	-	
Temperature compensation	-3.0mV/°C/2V		-	
Light control voltage	Light control on 5V, light control off 6 V (light control on plus 1 V)			×1/12V;
Light control judgment time	10 minutes			×2/24V;
				×3/36V;
				×4/48V;
USB function	Yes			
Bluetooth function	optional			
Operating temperature	-25°C to +55°C ;			
IP protection degree	IP30			
Net weight	390g			
Protection functions	Battery plate reverse connection protection ^{note 1} , a battery reverse connection protection ^{note 2} , charging battery board short circuit protection, charging the battery open circuit protection, charging over current protection, overload protection, load short-circuit protection controller and over temperature protection.			
Dimensions	164.0×103.5×47.0(mm)			