

480WH Solar Power System



Model:3HZ-DC480WH			
Solar panel	Peak power: 90W	Max.power voltage: 17.8V	Max.power current: 5.06A
Charge controller (PWM)	Rated charging current: 12V/10A	Max. PV array power: 120W	Max. PV input voltage: 30V
Lead-acid battery	Battery capacity: 480WH(40AH)	Battery voltage: 12V	Recommend discharge: 60%
DC output	DC Output: 12V/10A (Max.)	USB Output: 5V/ 2A (Max.)	Ports: USBX2pcs DC12Vx7pcs
System protection	Low voltage protection	Load overload protection	Load short circuit protection
Charging mode	Solar panels charging	AC charging (Optional)	Car charging (Optional)
Charging time	By PV charging about: 5~6 hours	AC charging about: 5~6 hours	Car charging about : 4~5hours
Work environment	Work temp range: -10°C~55°C	Humidity range: ≤95% N.C.	Recommended temp range: 20~25°C
Standard configuration	Host integration: 1 piece	Solar panel: 1 piece	Solar panel cables : 5m
Host Spec.	Product size: 210x230x240mm	Carton size: 230x250x260mm	Weight: 15.4kg
Solar panle Spec.	Product size: 1195x550x30mm	Carton size: 1205x560x35mm	Weight: 8kg
Optional accessories	AC charger, Car charger, Solar panel bracket, LED Lamps, DC Fan, DC TV, External inverter.		

Battery constant current(AMP) and constant power(Watt) discharge table at 25°C (77°F)												Note:For reference only.	
Time		5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
11.1V	A	112	60	48	33.6	20.4	12.4	9.2	7.4	6.1	4.28	3.8	2.04
	W	1268	697	560	393	240	147	109	88	73	51	45.9	24.7

Energy supply reference sheet					Note: the following reference data is according at 60% of the battery discharge depth.	
Appliance	Power(W)	QTY(pcs)	Daily use(hrs/d)	Daily energy(wh/d)		
LED Lamps	12V/3W	4	8	96		
DC Fan	12V/10W	1	6	60		
LED TV	12V/15W	1	6	90		
Others.				42		
Total				288WH/D		

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