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LFS-MSP100 home solar power system

LFS-MSP100 solar power system (namely M100 system for short) is one kind of AC/DC output home solar power system that developed by our company. It can provide illumination for families or camping and also can be used as power source for other AC/DC appliances.



A. It is with following power output/input ports:



- 1) USB power output port X 2
- 2) DC 12V power output port X1
- 3) AC 100V or 220V output port X 1
- 4) Solar power or AC/DC power input port X1
- 5) Battery capacity indicator light X3
- 6) System power on/off indicator light X1




B. Main features:

1. This system has one channel DC12V output. The output socket is cigarette lighter socket (namely cigar head) with max current output 5A. The output loop circuit can be shut down automatically once overload current or short circuit happen.
2. This system has one channel AC100V or AC220V output.(The output voltage and frequency can be adjusted as customer required).The output socket is second core socket (or choose as customer required).The rated power of AC output is 100W,and moment of maximum power is 120W. The output loop circuit can be shut down automatically once overload current or short circuit happen.
3. This system has two channel USB output sockets and the output voltage is DC5V. The max output current of this two channel is 2 A. It can be used as power source for mobile phone charging or other 5V appliances such as ipad and USB fan.
4. The solar panel can be chose as customer required. We suggest that the range of solar panel should be chose between 20Wp~80Wp.









C. Quotation of System:

unit	configuration	Price(USD)	remark
A	1. Solar panel: 20Wp/18V polycrystalline with 10M cable 2.Controller box built-in Battery: 18Ah/12V deep cycle Sealed lead acid battery 3. 3A/15V adapter	110.5	
B	1. Solar panel: 50Wp/18V polycrystalline with 5M cable 2.Controller box built-in Battery: 26Ah/12V deep cycle Sealed lead acid battery 3. 3A/15V adapter 4. 14 inch DC fan :three steps	151.5	

D. Quotation Break Down:

Component	Specifications	price (USD)	Photo
Solar panel	20W/18V Polycrystalline with 10M 18# cable	25	



Solar panel	50W/18V Polycrystalline with 10M 16# cable	45	
Main Unit	With built-in 18.0Ah/12V deep cycle Sealed lead acid battery With external 100W/100V Inverter Modified sine-wave	77.5	
	With built-in 26Ah/12V deep cycle Sealed lead acid battery With external 100W/100V Inverter Modified sine-wave	88	
AC/DC Power Adaptor	1) Input: 100VAC~260VAC 2) Output: DC15V 3000mA 3) 5.5/2.1mmDC plug	8.5	
1x4 Cigarette lighter	Input: cigarette lighter Output: 1x4 female plug with 5.5/2.5	1.5	
External 1W LED component	Include: 1. plug 5.5/2.5mm 2. 3 meters' Cable wire, 3. lamp-holder E27. 4. 1W LED bulb	3	
External 3W LED component	Include: 1. plug 5.5/2.5mm 2. 3 meters' Cable wire, 3. lamp-holder E27. 4. 3W LED bulb	3.5	
Soft DC electric blanket	specification: 100*70cm rated power: 30~50W Gears: full open /half open/close New heating device and kneading is available.	19.5	
DC fan	1. 290mm diameter 12 inch 2. ABS material, DC12V input 3. Mechanical three-gear speed control 4. 2m cable with DC5.5/2.5mm plug 5. Output power: strong speed:12W, low speed:8W	10.0	
bracket of 20W solar panel	Triangle shape	7.5	
bracket of 50W solar panel	Triangle shape	10.5	

1. Delivery term: FOB Shenzhen, MOQ 1000 PCS.



2. Payment term: 30% TT in advance,70% balance TT pay before deliver
3. Leading time: 4 WEEKS.
4. warranty: one year (without include battery) .
5. Quotation valid: on or before Sep. 30, 2013

E. The charging time and discharging time of the system:

Solar Panel	Battery	Charge time (Hour)	Remark
20W	18Ah	18	The time is efficiency sunshine hour. On average, it is 5 sunshine hours everyday.
	26Ah	26	
50W	18h	7.5	
	26Ah	10.5	

F. Discharge time after the battery full charged:

Battery	Loading	Work time(Hour)
18Ah	4pcs of 3W LED light + mobile phone charging	16
	1pcs of 14inches LCDTV(20W)+4pcs 3W LED light	6.5
	1pcs of 14inches LCDTV(20W)+1pcs 3W LED light+1pcs 14inches DC12V fan (13W)	6
	1pc AC fan 60W +4pcs 3W LED light	3
26Ah	4pcs of 3W LED light + mobile phone charging	24
	1pc of 14inches LCDTV(20W)+4pcs 3W LED light	7.5
	1pcs of 14inches LCDTV(20W)+1pcs 3W LED light+1pcs 14 inches DC12V fan (13W)	8.5
	1pc AC fan 60W +4pcs 3W LED light	4.2

G. Packing:

20' container: 435 pcs (with 20W solar panel);

40' container: 1000pcs (with 20W solar panel).