

MULTI SOLAR SYSTEM

[MSS-140]

[MSS-400 & MSS-400R]

[MSS-800 & MSS-800R]



Boston E Lab
Energy Environment Essential

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United States

MSS-140 (~ 400 Watt)

PORTABLE, TRANSPORTABLE AND STAND ALONE MULTI SOLAR SYSTEM

Self Installable! Environment Friendly Green Product ! Reduces Foreign Oil Dependency!

Reduces Fear from Natural Disaster and Improve Comfort & Security for Human Race!

[AC Device Use Example Chart]

[Specification]

Description	Details
Solar Module	Input: 70W x 2pc =140W (70W Dimension :1,210 x 550 x35mm, 9Kg) (47.64 x 21.66 x 1.38 inch, 19.8 lbs)
Battery Spec	12V-40AH, Sub-Battery 1EA
Inverter	Output : Max 500W , 110 or 220V, 50/60Hz
Solar Controller	12V-20A (Control Battery over load/drain)
Box Dimension (included Batt.)	284mm x 480mm x 450mm 11.18 x 18.80 x 17.71 inch Weight : About 40Kg / 44. 1 lbs



AC Device Use: When recharge 5 hour/day			
Description	Q`ty	Hourly Use(w)	Operation (h)
Desktop	1	75	3.5 H
LCD Monitor 22"	1	40	
LED LAMP 5W	3	15	26 H
Standing type Fan	1	45	8.5 H
Celling Fan	1	100	4 H
Cassette Radio	1	20	20 H
VCR	1	25	16 H
Note book 19"	1	25	16 H

[Battery Charge, Watt Storage and Usable Watt]

Hour	1	2	3	4	5	5.5
Generation (watt)	126	252	378	504	630	693
Storage (AH)	7.2	14.4	21.6	28.8	36	39.6
Storage (watt)	86.4	172.8	259.2	345.6	432	475.2
85% of Storage(w)	73.4	146.9	220.3	293.8	367.2	403.9

[BATTERY TEMPERATURE]

-10°C~+ 50°Celsius
14°F~+ 122°Fahrenheit
263.15K~323.15Kelvin

[BATTERY RECHARGE]

-600 Times

[BATTERY REPLACEMENT]

We offer replacement battery

[CONTENTS]

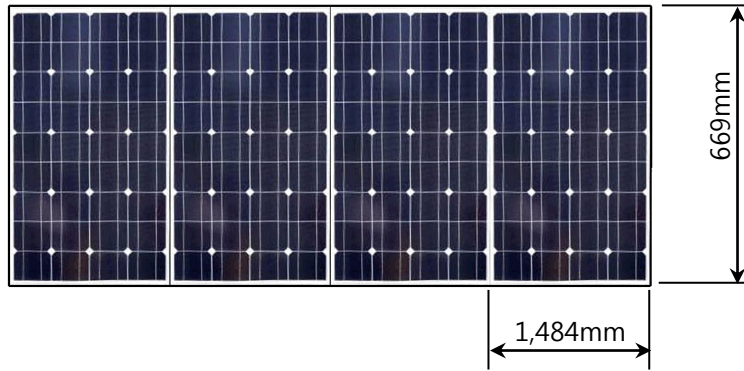
SOLAR PANEL SET, MAIN BOX, CONTROLLER, BATTERY INVERTER, LED LAMP (QTY 2), USB PORT (QTY2) CONNECTING CABLE (SOLAR TO MAIN, MAIN TO LED LAMP)



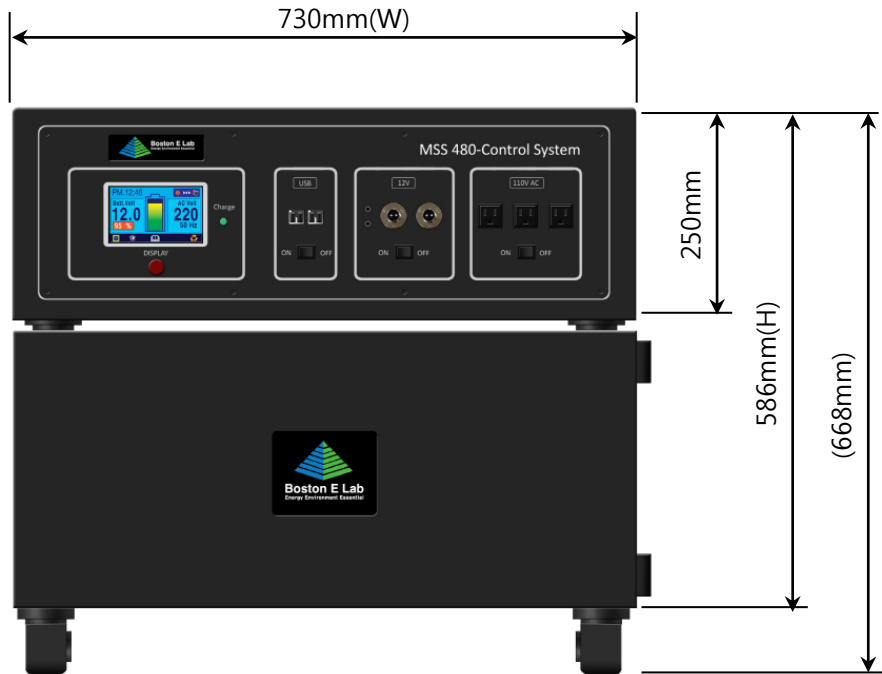
FOR SAFER & LONG TERM USE: USABLE WATT IS 408 WATT X 0.85 = 347 WATT

DO NOT CONNECT GREATER THAN 500WATT AC DEVICE

MSS-480 (~4000 watt capacity)



- Solar Module : 120W X 4
- Dimension : 1,484 X 669 X 35 (mm)/
58.43 x 26.33 x 1.38 (inch)
- Weight : 13Kg/28.7lbs

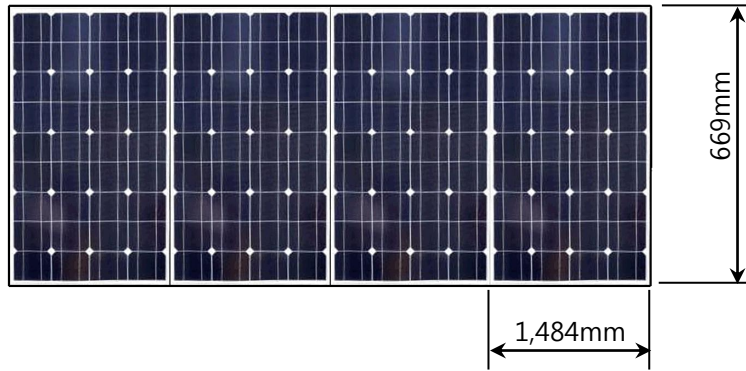


- Dimension : 730(W) X 630(L) X 586(h)mm
28.7 X 24.8 X 23.1 (inch)
- Weight : About 154Kg/339.51lbs

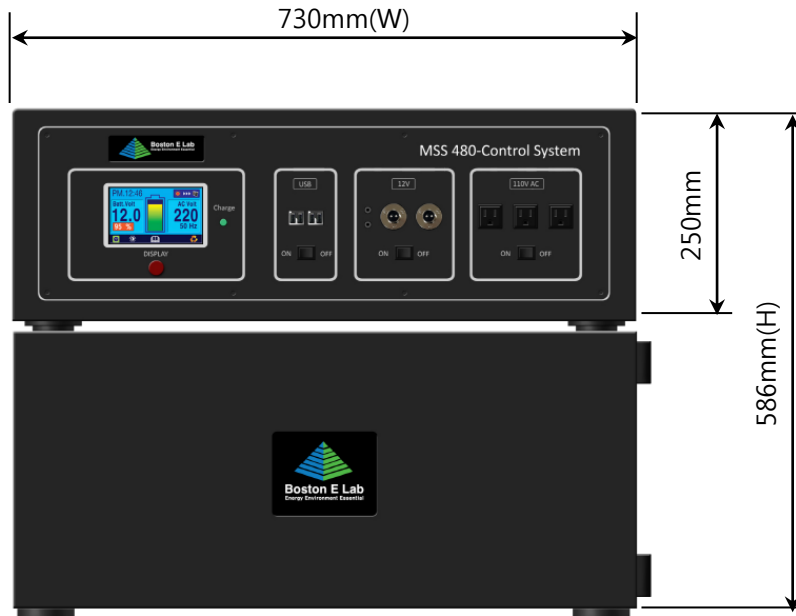
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Paul: 781.775.0081



MSS-480R (Model for install solar panel at rooftop) (~4000watt capacity)



- Solar Module : 120W X 4
- Dimension : 1,484 X 669 X 35 (mm)/
58.43 x 26.33 x 1.38 (inch)
- Weight : 13Kg/28.7lbs



- Dimension : 730(W) X 630(L) X 586(h)mm
28.7 X 24.8 X 23.1 (inch)
- Weight : About 154Kg/339.51lbs

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MSS-480 & MSS-480R

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[Specification]

Description	Details
Solar Module	Input: 120W x 4pc =480W (120W Dimension :1484x669x35mm, 13Kg) (58.42 x 26.33 x 1.38 inch)
Battery Spec	12V-200AH X 2 = 12V-400AH
Inverter	Output :Max 1.5KW , 110 or 220V, 50/60Hz
Solar Controller	12V-40A (Control Battery over load/drain)
Box Dimension (included Batt.)	730mm x 630mm x 670 mm (About) 28.7 x 24.8 x 26.4 inch Weight : About 154Kg/339.51 lbs



[AC Device Use Example Chart]

AC Device use when charging 16 hour			
Description	Qty	Hourly Use(w)	Operation(h)
Refrigerator (670Litter/177Galon)	1	Avg.50	73
Small Heater	1	800	4.5

[Battery Charge, Watt Storage and Usable Watt]

Hour	1	2	3	4	5	.....	13	14	15	16	16.5
Generation (watt)	432	864	1296	1728	2160	.....	5616	6048	6480	6912	7000
Storage (AH)	24.69	49.37	74.06	98.74	123.43	.....	320.91	345.60	370.29	394.97	400
Storage (watt)	296.23	592.46	888.69	1184.91	1481.14	.....	3850.97	4147.20	4443.43	4739.66	4800
85% of Usable(w)	251.79	503.59	755.38	1007.18	1258.97	.....	3273.33	3525.12	3776.91	4028.71	4080

[BATTERY TEMPERATURE]
 -10°C~+ 50°Celsius
 14°F~+ 122°Fahrenheit
 263.15K~323.15Kelvin

[BATTERY RECHARGE]
 -600 Times

[BATTERY REPLACEMENT]
 We offer replacement battery



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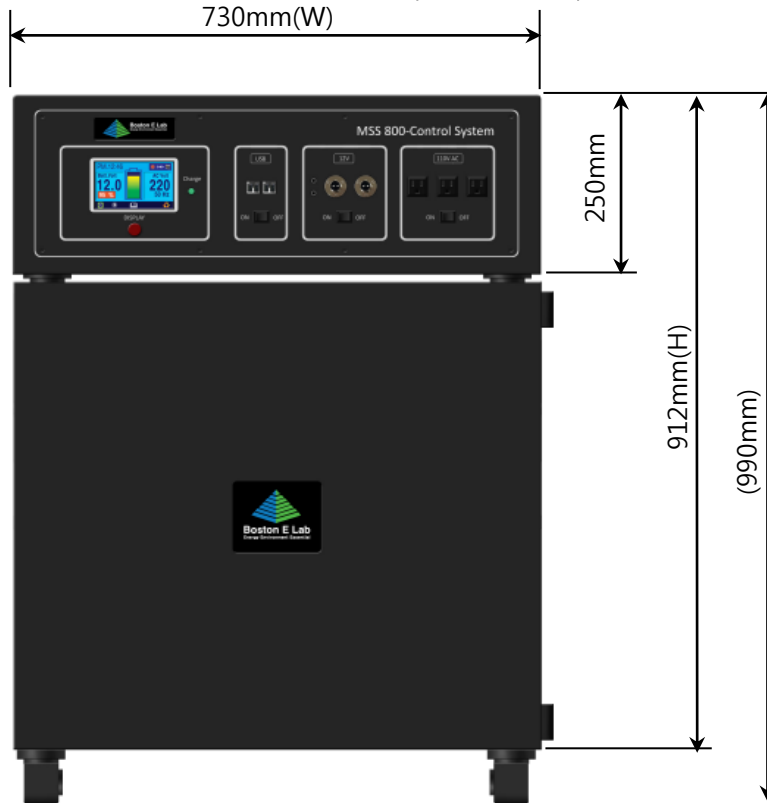
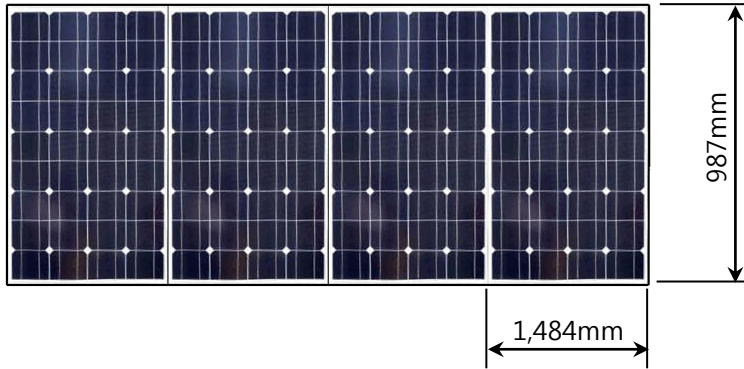
SOLAR PANEL SET, MAIN BOX, CONTROLLER, BATTERY
 INVERTER, LED LAMP (QTY 2), USB PORT (QTY4)
 CONNECTING CABLE (SOLAR TO MAIN, MAIN TO LED LAMP)



FOR SAFER & LONG TERM USE: USABLE WATT IS 4080 WATT X 0.9 = 3672 WATT

DO NOT CONNECT GREATER THAN 1500WATT AC DEVICE

MSS-800 (~8200 Watt Capacity)



- Solar Module : 200W X 4
- Dimension : 1,484 X 987 X 46 (mm) /
58.43 X 38.86 X 1.81 (inch)
- Weight : 19Kg / 41.9lbs

- Dimension : 730(W) X 630(L) X 912(h)mm
28.7 X 24.8 X 35.9 (inch)
- Weight : About 288Kg/634.93lbs

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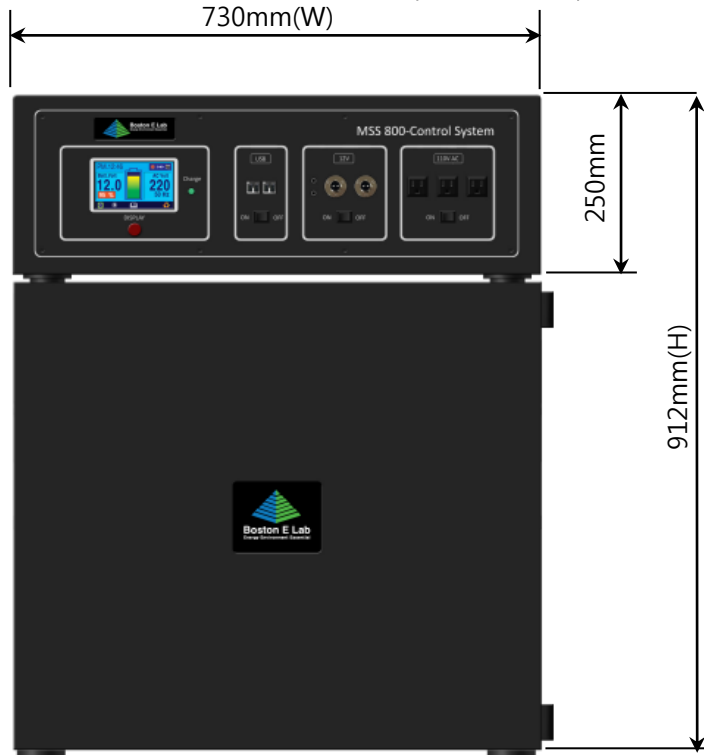
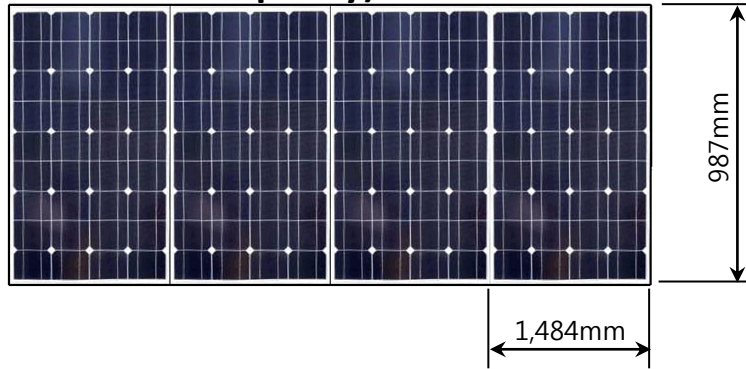
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MSS-800R (Model for install solar panel at rooftop)

(~8200 Watt Capacity)



Boston E Lab
Energy Environment Essential

- Solar Module : 200W X 4
- Dimension : 1,484 X 987 X 46 (mm) /
58.43 X 38.86 X 1.81 (inch)
- Weight : 19Kg / 41.9lbs

- Dimension : 730(W) X 630(L) X 912(h)mm
28.7 X 24.8 X 35.9 (inch)
- Weight : About 288Kg/634.93lbs

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BE Led
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[Specification]

Description	Details
Solar Module	Input: 200W x 4pc =800W (200W Dimension :1484*987*46mm) (58.42 x 38.6 x 1.81inch)
Battery Spec	12V-200AH X 4 = 24V-400AH
Inverter	Output : Max 1.5KW , 110 or 220V, 50/60Hz
Solar Controller	24V-40A (Control Battery over load/drain)
Box Dimension (included Batt.)	995mm x 630mm x 730 mm (About) 472.44 x 24.8 x 19.68 inch Weight : About 288Kg/634.93 lbs



[AC Device Use Example Chart]

AC Device Use: When recharge 15 hour				
Description	Q`ty	Hourly Use(w)	used hour/Day	used day(w)
Desktop computer & LCD monitor 22"	1	115	2	230
LED LAMP 5W	5	25	5	125
washing machine.	1	375	0.8	300
TV 32"	1	190	8	1520
Fan	1	45	5	225
			Sum/day	2400

[Battery Charge, Watt Storage and Usable Watt]

Hour	1	2	3	4	5	....	17	18	19	20
Solar Generation(w)	720	1440	2160	2880	3600	.....	12240	12960	13680	14400
Batt. Storage(Ah)	20.3	40.6	60.8	81.1	101.4	.....	344.8	365.1	385.4	405.6
Batt. Storage(W)	486.8	973.5	1460.3	1947.0	2433.8	.....	8274.9	8761.7	9248.5	9735.2
85% of Usable(W)	413.7	827.5	1241.2	1655.0	2068.7	.....	7033.7	7447.4	7861.2	8274.9



[CONTENTS]

SOLAR PANEL SET, MAIN BOX, CONTROLLER, BATTERY
 INVERTER, LED LAMP (QTY 2), USB PORT (QTY4)
 CONNECTING CABLE (SOLAR TO MAIN, MAIN TO LED LAMP)

[BATTERY TEMPERATURE]

-10°C~+ 50°Celsius
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[BATTERY RECHARGE]

-600 Times

[BATTERY REPLACEMENT]

We offer replacement battery



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DO NOT CONNECT GREATER THAN 1500WATT AC DEVICE