



## **SLG Asia Test Labs & Service (HK) Limited**

Order Number: H6M20907-7500  
Applicant: CORONA TECHNOLOGY  
Product description: Mega Power Saver  
Model number: CT-1688  
No., of sample: 2

### **SUMMARY OF TEST**

The commission test performing as below:

- 1) Measure the power (W0) of loading occurred during normal condition without electricity saver,
- 2) Measure the power (W1) of loading occurred with the use of electricity saver.
- 3) Power saver rate  $R = (W1-W0)/W0 \times 100\%$ .



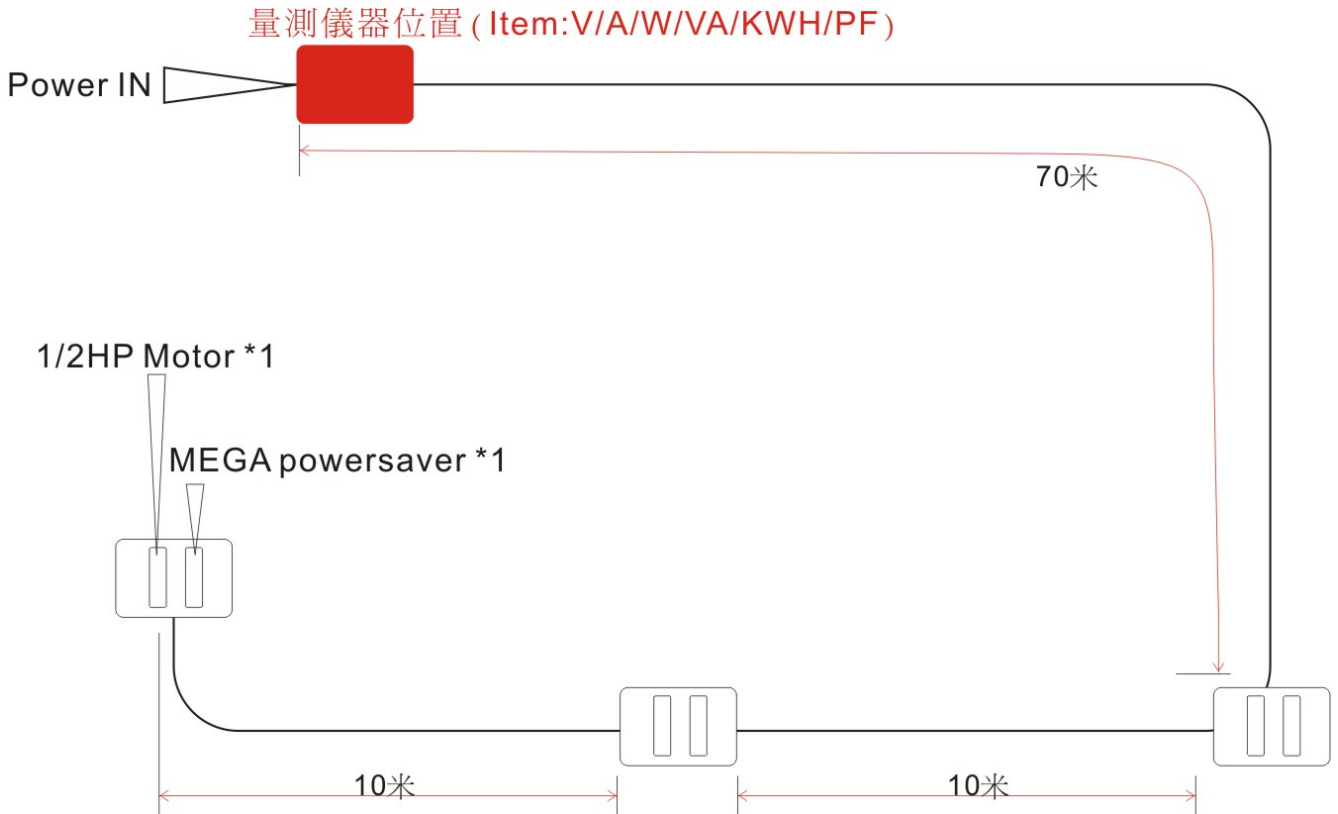
Test Engineer: Karl Lau

Test date: 20 July 2009



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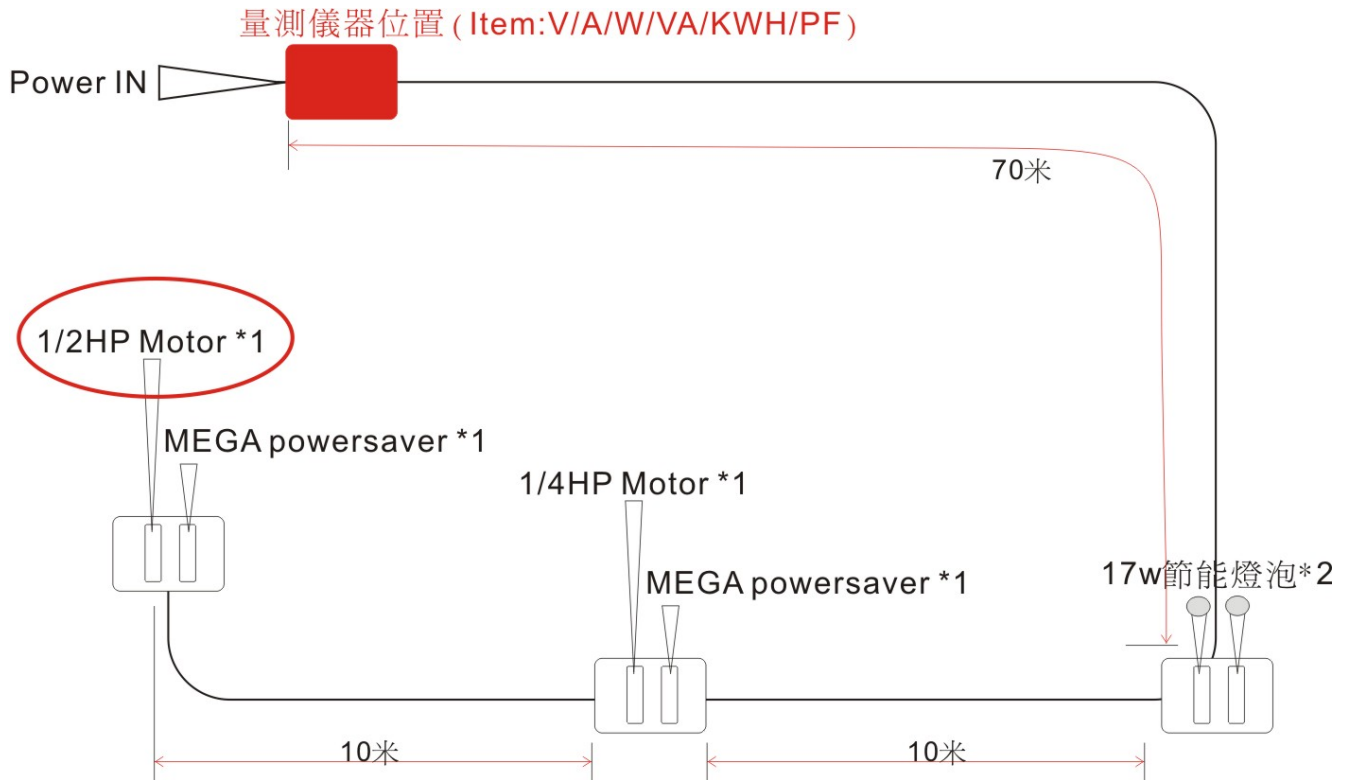
## Measurement results



Loading 1	Voltage (V)	Current (A)	Power (W)	Power factor	kWh
without Mega	109.600	6.160	200.100	0.296	196.706
with Mega	109.800	3.890	144.100	0.338	144.668
different %	0.2%	-36.9%	-28.0%	14.2%	-26.5%



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Loading 1	Voltage (V)	Current (A)	Power (W)	Power factor	kWh
without Mega	109.100	10.450	448.200	0.266	442.144
with Mega	109.400	6.190	294.200	0.432	294.325
different %	0.3%	-40.8%	-34.4%	62.4%	-33.4%



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### Loading 1 (Without electricity saver)

Test Time (min)	Frequency (Hz)	Voltage (V)	Current (A)	Power (W)	Power factor	kWh
0	59.88	109.6	6.26	200.6	0.291	0
15	60.1	109.6	6.22	197.2	0.291	56.404
30	60.23	109.7	6.18	196.4	0.29	98.68
45	60.2	109.7	6.18	196.5	0.29	147.77
60	60.31	109.6	6.16	200.1	0.296	196.71

### Loading 1 (With electricity saver)

Test Time (min)	Frequency (Hz)	Voltage (V)	Current (A)	Power (W)	Power factor	kWh
0	60.26	109.8	3.89	145.4	0.341	0
15	60.28	109.8	3.88	143.7	0.337	36.169
30	60.27	109.8	3.89	144.3	0.337	72.159
45	60.29	109.8	3.89	144.3	0.338	108.26
60	60.28	109.8	3.89	144.1	0.338	144.67

### Loading 2 (Without electricity saver)

Test Time (min)	Frequency (Hz)	Voltage (V)	Current (A)	Power (W)	Power factor	kWh
0	60.12	109.1	10.47	436.7	0.382	0
15	60	109.1	10.47	442	0.389	110.72
30	60.05	109.1	10.47	442.5	0.386	221.27
45	60.17	109.1	10.46	442.2	0.387	331.83
60	60.23	109.1	10.45	448.2	0.266	442.14

### Loading 2 (With electricity saver)

Test Time (min)	Frequency (Hz)	Voltage (V)	Current (A)	Power (W)	Power factor	kWh
0	60.21	109.4	6.19	293.9	0.434	0
15	60.29	109.4	6.19	294.6	0.434	74.251
30	60.25	109.4	6.19	292.3	0.432	148.02
45	60.29	109.4	6.19	296.4	0.438	221.57
60	60.3	109.4	6.19	294.2	0.432	294.33



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## Setup photo



Setup



Power Source



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Power meter



Loading: 1/2 HP Motor

