



Reliability Laboratory

TEST REPORT

Report No.: HC80096/2007
Page: 1 of 4
Date: August 28, 2007

CLEAN & GREEN TECH. CO., LTD.
6 F, NO. 110, HUAINING ST.,
TAIPEI, TAIWAN

The following merchandise was submitted and identified by the vendor as:

Product Description: F-16 Pulse King
Style/ Item No.: 1101/ No.1
Country of Origin: Taiwan
Quantity: Total 1 piece
Testing Period: Aug. 20, 2007 to Aug. 23, 2007
Note: Battery Model No.: YUASA 46B24L(S)-MF

We have tested the submitted sample(s) as requested and the following results were obtained:

Test Required: (According to client's test specification, please see following sheets in detail.)

1. Battery Charge/Discharge Cycling Test

Test Results: - PLEASE SEE ATTACHED SHEETS -

Terence Hsieh
Asst. Manager

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1. Battery Charge/Discharge Cycling Test:

Test Equipment:

Name	Brand	Model	Serial No.
Charge/Discharge Battery Test System	KIKUSUI	PFX2332	KM003716
Charge/Discharge Power Supply Unit	KIKUSUI	PFX2021	LD003187

Lab Environmental Conditions:

Ambient Temperature: 25±3°C

Relative humidity: 55±20%RH

Test Method/ Specification:

Charge Mode: Constant Current Mode

Charge Current: 4.5 A

End Condition: When the voltage accomplishes 15.0 V and continues charging with 30 minutes.

Discharge Mode: Constant Current Mode

Discharge Current: 7.2 A

End Voltage: 10.5 V

Test Cycles: 1 Cycle (Without F-16 Pulse King);

10 Cycles (With F-16 Pulse King)

- Examine the appearance of the product(s) by visual check after test.

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Specimen:

Style/ Item No.: 1101/ No.1
 Quantity: Total 1 piece

Test Result:





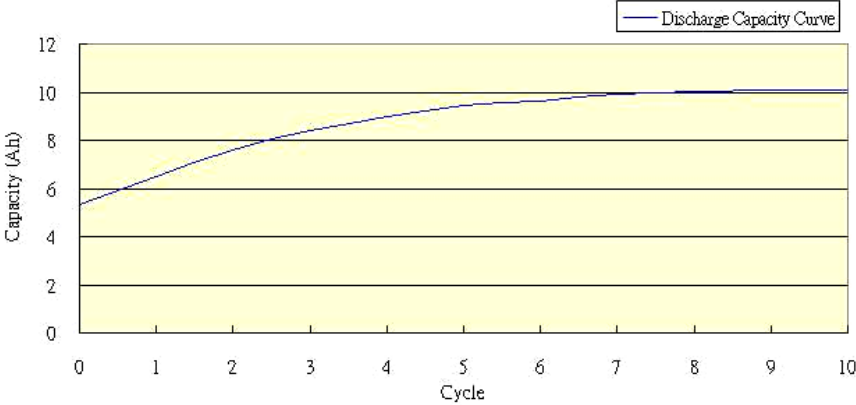
1. Examination of Product (Appearance check):

Style/ Item No.	Check Item	Appearance Check (Visual check)
1101/ No.1		No visible damage

2. Battery Discharge Capacity:

Test Item Style/ Item No.	Battery Discharge Capacity			
	Cycle	Capacity Unit: Ah	Capacity Rate	Note
1101/ No.1	0	5.35	100.0%	Without F-16 Pulse King
	1	6.52	121.8%	With F-16 Pulse King
	2	7.57	141.5%	With F-16 Pulse King
	3	8.38	156.6%	With F-16 Pulse King
	4	8.98	167.7%	With F-16 Pulse King
	5	9.44	176.4%	With F-16 Pulse King
	6	9.65	180.3%	With F-16 Pulse King
	7	9.89	184.8%	With F-16 Pulse King
	8	10.01	187.0%	With F-16 Pulse King
	9	10.10	188.6%	With F-16 Pulse King
	10	10.09	188.5%	With F-16 Pulse King

Test Photos:

																									
<p>1. Appearance of specimen (1101)</p>	<p>2. Appearance of specimen (1101)</p>																								
																									
<p>3. Battery Charge/Discharge Cycling Test</p>	<p>4. Battery Charge/Discharge Cycling Test</p>																								
<p style="text-align: center;">Discharge Capacity Curve</p>  <table border="1"> <caption>Discharge Capacity Curve Data</caption> <thead> <tr> <th>Cycle</th> <th>Capacity (Ah)</th> </tr> </thead> <tbody> <tr><td>0</td><td>5.5</td></tr> <tr><td>1</td><td>6.5</td></tr> <tr><td>2</td><td>7.5</td></tr> <tr><td>3</td><td>8.2</td></tr> <tr><td>4</td><td>8.8</td></tr> <tr><td>5</td><td>9.3</td></tr> <tr><td>6</td><td>9.7</td></tr> <tr><td>7</td><td>10.0</td></tr> <tr><td>8</td><td>10.0</td></tr> <tr><td>9</td><td>10.0</td></tr> <tr><td>10</td><td>10.0</td></tr> </tbody> </table>		Cycle	Capacity (Ah)	0	5.5	1	6.5	2	7.5	3	8.2	4	8.8	5	9.3	6	9.7	7	10.0	8	10.0	9	10.0	10	10.0
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<p>5. Battery Discharge Capacity Curve</p>																									

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