

台灣愛迪生創意科技股份有限公司

# 107年股東說明會



目前主要在提升風力發電機組的性能及結構的改良，讓產品的品質達到完美。進行的工作包括：

- 風力發電機組功率提升、支架及葉片結構改良。
- 整機系統的整合及系統優化。
- 實機VPC驗證，使產品符合我國CNS標準，以快速切入市場。



# 發電盤功能檢測

# 獲至的重要成果

- 7kw盤式發電盤通過我國CNS標準及國際IC標準認證。
- 完成新型直徑7公尺垂直軸風輪的開發，使擷取風能的效率大為提高。



**TEST REPORT**  
**IEC/EN 60034-1: 2010**  
**Rotating electrical machines –**  
**Part 1: Rating and performance**

Report Reference No. ....	N3E204-106R1890-084
Tested by (name+signature) .....	Yu Chi Chou _____
Approved by (name+signature) .....	Tim Hise _____
Date of issue.....	February 22, 2018
Testing laboratory .....	Precision Machinery Research & Development Center
Address .....	No.27, 37th Road, Taichung Industrial Park, Taichung, Taiwan, R.O.C.
Testing location .....	as above
Applicant.....	Taiwan Edison Creative Technology Co., Ltd.
Address .....	No. 20-5, Jiangxicuo Lane, Xitun Dist., Taichung City 40765, Taiwan (R.O.C.)
Test specification:	
Standard .....	IEC/EN 60034-1: 2010
Non-standard test method .....	N/A
Type of test object .....	Three-Phase Disc Maglev Generator
Trademark.....	
Model and/or type reference .....	DMG-7200
Series Model .....	NA
Rating(s).....	7800VA, 350Vac, 12.8A(phase), 70RPM, Class F, S1

Test item particulars:					
Type of	Brushless Three-Phase Disc Maglev Generator				
Rating by duty	S1				
Construction.....	Totally enclosed				
Protection against electric	Class II				
Supply ..	Lead wire				
Degree of	IP20				
Rated ambient temperature (°C).....	-10°C~ +50°C				
Possible test case verdicts:					
- test case does not apply to the test object.....: N/A					
- test object does meet the requirement .....					
- test object does not meet the requirement .....					
- test case does not evaluation to the test object .....					
General remarks:					
"(See remark #)" refers to a remark appended to the report.					
"(See appended table)" refers to a table appended to the report.					
Throughout this report a comma is used as the decimal separator.					
The test results presented in this report relate only to the object tested.					
This report shall not be reproduced except in full without the written approval of the testing laboratory.					
Copy of marking plate:					
 <b>Three-Phase Disc Maglev Generator</b> <small>台灣愛迪生創意科技股份有限公司</small>					
<b>Code No.</b>	403011100102	<b>Model</b>	DMG-7200		
<b>Rated Power</b>	7.8 KVA	<b>Rated Voltage</b>	350 V	<b>Rated Current</b>	12.8 A/phase
<b>Rated Speed</b>	70 RPM	<b>Insulation Class</b>	F	<b>Weight</b>	360 Kg
<b>Power Factor</b>	pf : 0.93	<b>Ambient</b>	Max 50°C	<b>Standard</b>	IEC/EN 60034-1
<b>S/N</b>	0007	<b>Date of Manufacture</b>	2018-03		
<b>Taiwan Edison Creative Technology Co., Ltd.</b>					



各機種發電盤金屬中心認證書

# 垂直軸風力發電機



今年已進一步委託台灣大電力研究  
試驗中心澎湖基地進行VPC型式驗證  
，依據**CNS15176-2(102)**規範標準進  
行測試。

測試項目包括有功率性能測試、耐久性  
測試、噪音測試及功能與安全測試。



# 研 發

- 一、新開發300w小型風機取代150w風機，提高發電功率、降低成本，搭配風光互補路燈。
- 二、種電用機種，目前7kw發電機已通過認證，已送澎湖「台灣大電力究試驗中心」做整機驗證。
- 三、水力發電研發部分，已在竹北找到適合的水圳並取得使用許可，目前正由配合廠商施工架設水車。



# 水力發電架設水車



本公司的主要業務將來自大規模種電，雖然相關法令的限制迄今仍未鬆綁，致業績無法展現。

不過我們在產品的優化及市場的布局均已有充分準備，一旦客觀條件顯現，定能有所斬獲，不負股東們的期望。



敬請指教  
謝謝



台灣愛迪生創意科技股份有限公司