

# **TEST REPORT**

On Behalf of

| Prepared For :  | DISTRIBUCIONES SOLARES DEL PRINCIPADO SL  |
|-----------------|---|
|                 | POLIGONO LA ROZA.33199. (GRANDA-SIERO).ASTURIAS.SPAIN   |
| Trade Mark :    | ELEKSOL   |
| Product Name :  | SOLAR BATTERY/GEL BATTERY/LEAD ACID BATTERY/AGM DEEP CYCLE BATTERY  |
| Model :         | OPzV-3000, 6-GFM-33G, 6-GFM-38G, 6-GFM-40G, 6-GFM-55G, 6-GFM-65G, 6-GFM-75G, 6-GFM-90G, 6-GFM-100G, 6-GFM-120G, 6-GFM-150G, 6-GFM-180G, 6-GFM-250G, 6-GFM-300G, OPzS-200, OPzS-250, OPzS-300, OPzS-350, OPzS-420, OPzS-500, OPzS-600, OPzS-800, OPzS-1000, OPzS-1200, OPzS-1500, OPzS-2000, OPzS-2500, OPzS-3000, OPzV-150, OPzV-200, OPzV-250, OPzV-300, OPzV-350, OPzV-420, OPzV-500, OPzV-600, OPzV-800, OPzV-1000, OPzV-1200, OPzV-1500, OPzV-2000, OPzV-2500, 3GFM550, 3GFM300 |
| Prepared By:    | Shenzhen ZTS Testing Service Co., Ltd., esting Service  808, Building 1, 7th Industrial Zone, Yulv Community, Yutang Sreet, Guangming District, Shenzhen, Guangdong Chipa Tel: 400-8788-298 Email: zts@zts-test.com Web: www.zts-test.com   |
| Test Date:      | May 14, 2021- May 20, 2021  |
| Date of Report: | May 20, 2021  |
| Report No. :    | ZTS21051902DRS  |

**Note:** This test report is limited to the above client company and the product model only. It may not be duplicated without prior written consent of Shenzhen ZTS Testing Service Co., Ltd.



## **TEST REPORT**

EN 60896-21:2004& EN 60896-22:2004

Reference No. ..... ZTS21051902DRS

Contents ...... 12 pages

Date of issue ...... May 20, 2021

**Testing laboratory** 

Name ...... Shenzhen ZTS Testing Service Co., Ltd.

808, Building 1, 7th Industrial Zone, Yulv Community, Yutang Street, Address....:

Guangming District, Shenzhen, Guangdong, China

Testing location .....: Same as above

Client

Name...... DISTRIBUCIONES SOLARES DEL PRINCIPADO SL

Address..... POLIGONO LA ROZA.33199. (GRANDA-SIERO).ASTURIAS.SPAIN

**Test specification** 

Standard .....: EN 60896-21:2004&EN 60896-22:2004

Test procedure ...... Type Approval

Non-standard test method .....: N.A.

Test item

SOLAR BATTERY/GEL BATTERY/LEAD ACID BATTERY/AGM Description.....

**DEEP CYCLE BATTERY** 

Trademark : ELEKSOL

Model and/or type reference..... OPzV-3000

Manufacturer .....: YINGDE AOKLY POWER CO.,LTD

**GUANGDONG PROVINCE, CHINA** 

Rating(s) ...... 2V, 3000AH, and refer to Table 1



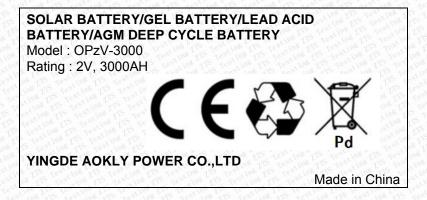
| Testing procedure and tes  | sting location   |
|--|--|
| Laboratory name  | : Shenzhen ZTS Testing Service Co., Ltd.   |
| Testing location/address:  | : 808, Building 1, 7th Industrial Zone, Yulv Community, Yutang Street, Guangming District, Shenzhen, Guangdong, China  |
| Testing Iprocedure   | :TL RMT SMT WMT TMP  |
| Prepared by<br>(Engineer)  | : Jeffrey Way  |
| Reviewer by<br>(Quality Manager)   | Tony mo Tony Manager Tony Tony mo  |
| Approved by (Manager)  | : Bert Yang Bart Tang ** Approved **   |
|  | of the first testing the testi |
| # 12   |  |
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| n 12 Lez inn 12 Lez inn 12 Lez,<br>12 Lez inn 12 Lez inn 12 Lez in<br>12 Lez inn 12 Lez inn 12 Lez in<br>12 Lez inn 12 Lez inn 12 Lez inn<br>2 Lez inn 12 Lez inn 12 Lez inn   |  |
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| THE LESSING THE LESSING NIZ LES  | of this NZ Leafing NZ  |



| POSSIBLE TEST CASE VERDICTS:   | (2) 10 12 10 12 10 12 10 12 10 10 10 10 10 10 10 10 10 10 10 10 10   |
|--|--|
| - test case does not apply to the test object  | N/A  |
| - test object does meet the requirement  | P (Pass)   |
| - test object does not meet the requirement  | F (Fail)   |
| TESTING:   | teri'n lig tering lig tering lig term lig to tering lig terming lig tering lig tering lig  |
| Date of receipt of test item   | May 14, 2021   |
| Date (s) of performance of tests   | May 14, 2021- May 20, 2021   |
| General product information:   | ing the leading the leading the leading to be time the leading the leading the leading the leading the leading   |
| The equipment is a Vault C-Smart Wireless Powerpa communication technology equipment.  | ack for the general use in Audio/video, information and  |
| GENERAL REMARKS:   | The free time to testine to testine the free time to testine to testine the free time to testine to testine the free time to testine the free time to testine the free time to testine to testine the free time to testine the free time to testine to testine the free time th |
| "(see Enclosure #)" refers to additional informa "(see appended table)" refers to a table appende  Throughout this report a ☐ comma / ☒ point i  When determining the test result, measuremen  Name and address of factory (ies) | ed to the report.  is used as the decimal separator.  It uncertainty has been considered.  |
| List of Attachments:   |  |
| ATTACHMENTS 1: Photograph.   |  |
| Summary of testing:  | 40 40 40 40 40 40 40 40 40 40 40 40 40 4   |
| Tests performed: The submitted samples were found to comply with EN 60896-21:2004&EN 60896-22:2004   | the requirements of:   |



#### Label



### Remark:

- Size of CE mark must be in correct ratio and ≥ 5mm in height, and size of WEEE mark must be in correct ratio and ≥ 7mm in height,
- The product was submitted and tested for use at the manufacturer's recommended ambient temperature (Tma) of 25°C.
- All models are identical to the main test model OPzV-3000., there are same electronic circuit and constru, except the sizes and rated power. Unless otherwise specified, the model OPzV-3000. was chosen asrepresentative model to perform all test.



| Serial number                            | model      | Rated voltage (V)   | Rated Capacity (AH)                      |
|--|------------|---|--|
| Strug 122 15 15 1 12 1 11 12 1           | 6-GFM-33G  | 12  | 33                                       |
| 2  | 6-GFM-38G  | 12  | 11 12 15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| To leading The leading                   | 6-GFM-40G  | 12  | 70 time 1 to 100 40                      |
| 8 775 705 4 116 775 705 1                | 6-GFM-55G  | 12 Test 108 12 12 12 12 Test 108 1  | 55                                       |
| 12 5 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 6-GFM-65G  | 12  | 15 Test 100 15 65 100 15 Test            |
| 6  | 6-GFM-75G  | 12 7  | 75                                       |
| testing 1 to testing                     | 6-GFM-90G  | 12  | 90                                       |
| 8 15 75                                  | 6-GFM-100G | 12  | 100                                      |
| 9  | 6-GFM-120G | The resting the 12 time the resting   | 120                                      |
| 10                                       | 6-GFM-150G | 12  | 150                                      |
| 785 Cins 11 5 Test ins 15                | 6-GFM-180G | 12  | 180                                      |
| 12                                       | 6-GFM-200G | 75 TESTING TO TEST 12 TESTING TESTING TESTING   | 200                                      |
| 13                                       | 6-GFM-250G | Testing 1 12 12 18 18 Testing   | 250                                      |
| 11 14 sting 15 15                        | 6-GFM-300G | 175 Testing 15 12 still 175 Testing   | 300                                      |
| 15                                       | OPzS-200   | THE TESTER TO TESTER TESTER TESTER TESTER   | 200                                      |
| 16                                       | OPzS-250   | 1621 148 142 162 148 142 1621 148 142 162 148 142 142 142 142 142 142 142 142 142 142   | 250                                      |
| 17                                       | OPzS-300   | Testing Its Tes 2 in Its Testing Its  | 300                                      |
| 18                                       | OPzS-350   | The resting Its Section Its Legiture  | 350                                      |
| 19                                       | OPzS-420   | 12 12 16 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  | 420                                      |
| 20                                       | OPzS-500   | ering his lesting The lesting his le  | 500                                      |
| 21                                       | OPzS-600   | Lazing Ilz Laz 5 18 Lz Laz Tung Ilz   | 600                                      |
| 22                                       | OPzS-800   | To Testing Vis To Zing Vis Testing  | 800                                      |
| 23                                       | OPzS-1000  | 12 Lesting 1/2 Seating 1/2 Lesting 1/2 Lesting  | 1000                                     |
| 24                                       | OPzS-1200  | ing the testing 25 testing the testing  | 1200                                     |
| 25                                       | OPzS-1500  | 100 to 100 100 100 100 100 100 100 100 100 10   | 1500                                     |
| 26                                       | OPzS-2000  | 15 Test in 15 Tes 2 100 15 Test in 1  | 2000                                     |
| 27                                       | OPzS-2500  | 12 testing | 2500                                     |
| 28                                       | OPzS-3000  | ing The Learning To Learning The Learning   | 3000                                     |
| 29                                       | OPzV-150   | esting 175 resting 2 15 resting 175 r   | 150                                      |
| 30                                       | OPzV-200   | Leading M. Leading M. Leading M.  | 200                                      |
| 1 31 TO TEST                             | OPzV-250   | To resting 1/2 to 2 time 1/2 testing  | 250                                      |
| 32                                       | OPzV-300   | " Ny Les Ting II 5 Les Ting II Les  | 300                                      |
| 33                                       | OPzV-350   | sting 122 188 122 188 122 188 122 18  | 350                                      |
| 34                                       | OPzV-420   | Lost two Lis Less two Lis Less two Lis  | 420                                      |
| 35                                       | OPzV-500   | Leging 12 Leging 12 Leging 12 Leging  | 500                                      |
| 36                                       | OPzV-600   | 1/2 test in 1/2 2 sting 1/2 test in   | 600                                      |
| 37                                       | OPzV-800   | 108 175 Testing 12 Testing 175 Test   | 800                                      |
| 38                                       | OPzV-1000  | 24 11 12 12 12 11 12 12 12 12 12 12 12 12   | 1000                                     |
| 39                                       | OPzV-1200  | Lear in The Leaf Ton The Lear ing The   | 1200                                     |



| Serial number | model     | Rated voltage (V)  | Rated Capacity (AH) |
|---------------|-----------|--|---------------------|
| 40            | OPzV-1500 | The less two the Section The Less the                                | 1500                |
| 41            | OPzV-2000 | THE TEST THE TEST THE TEST THE TEST                                  | 2000                |
| 42            | OPzV-2500 | Stink The resulting The Testing The                                  | 2500                |
| 43            | OPzV-3000 | Les ing Les Les Sig Liz Les line Its                                 | 3000                |
| 44            | 3GFM550   | 12 102 1 10 12 16 100 112 16 100 110 12 12 12 100 110 110 110 110 11 | 550                 |
| 45            | 3GFM300   | 1 1/2 Test 1 6 Est 1 1/2 Test  | 300                 |



|      | to resumble the little to the | em tong the teep   |  |
|------|---|--|--|
| 6.1  | Gas emission  | To determine the emitted gas volume  |  |
| 6.2  | High current tolerance  | To verify the adequacy of current conduction cross-sections                              |  |
| 6.3  | Short circuit current and d.c. Internal resistance  | To provide data for the sizing of fuses in the exterior circuit                          |  |
| 6.4  | Protection against internal ignition from external spark sources  | To evaluate the adequacy of protective features  |  |
| 6.5  | Protection against ground short propensity  | To evaluate the adequacy of design features  |  |
| 6.6  | Content and durability of required markings   | To evaluate the quality of the markings and the content of the information               |  |
| 6.7  | Material identification   | To ensure the presence of material identification markings                               |  |
| 6.8  | Valve operation   | To ensure the correct opening of safety valves   |  |
| 6.9  | Flammability rating of materials  | To verify the fire hazard class of Lead-Acid Battery material                            |  |
| 6.10 | Inter cell connector performance  | To verify the maximum surface temperatures of the connectors during high rate discharges |  |
| 6.11 | Discharge capacity  | To verify the available capacities at selected discharge rates or discharge durations.   |  |
| 6.20 | Dimensional stability at elevated internal pressures and temperatures   | To verify the pressures and temperatures   |  |
| 6.21 | Stability against mechanical abuse of units during installation   | Authentication security  |  |



| 108  | 6.1 Requirements for gas emission inform  | ation  | Leging 12 Leging 12 Leg  |  |  |  |
|--|---|--|--|--|--|--|
| 25/10  | The test methods are according to clause  | OPzV-3000:   | TO TESTING ITS TESTING ITS T   |  |  |  |
|  | 6.1.1 to 6.1.14 which are stated in the   | At the rated float charge  |  |  |  |  |
|  | standard EN 60896-21  | voltage  |  |  |  |  |
|  | Standard EN 00090-21  | U <sub>flo</sub> =2.25V/(Ah*h*cell) at   |  |  |  |  |
|  | Leging 1/2 Leging 1/2 Leging 1/2 Leging 1/2 Leging 1/2 Leging 1/2   |  |  |  |  |  |
|  | Esting Its Lesting N. Lesting N. Lesting N. Lesting Its Lesting   | 25°C:  |  |  |  |  |
|  | L Les ing It Les ting It Les ling Me Les Ling NE Les ling   | 1#: Ge=0,0018ml/( Ah·h)  | Lear 100 125 Lear 108 125 Lea  |  |  |  |
|  | 12 62 148 12 15 162 148 12 162 148 12 62 148 12 62 148 12 62 1  | 2#: Ge=0,0017ml/( Ah·h )   | State the value  |  |  |  |
|  | Requirement and application: see table 4 in   | 3#: Ge=0,0019ml/( Ah·h)  |  |  |  |  |
|  | the standard EN 60896-22  | At 2,40 Vpc overcharge   |  |  |  |  |
|  | the standard EN 00090-22  | voltage conditions at 25°C:  |  |  |  |  |
|  | 1 2 10 12 12 12 12 14 12 12 12 12 12 12 12 12 12 12 12 12 12  | 1#: Ge=0,0021ml/( Ah·h)  |  |  |  |  |
|  | See in 12 testing 12 testing 12 testing 12 testing 12 testing   | 2#: Ge=0,0020ml/( Ah·h)  |  |  |  |  |
|  | Legine Liet Legine Legine Legine Lie Legine   | 3#: Ge=0,0022ml/( Ah·h)  |  |  |  |  |
| 2 108  | 6.2 Requirement for high current tolerance  |  |  |  |  |  |
| (85t)  | The test methods are according to clause  | OPzV-3000:   | 12 100 14 12 160 14 14   |  |  |  |
|  | 6.2.1 to 6.2.6 which are stated in the  | It has no any damage after   |  |  |  |  |
|  | standard EN 60896-21  | 30 s of high current flow.   |  |  |  |  |
|  | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1   | Voltage after open circuit for   | 8 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  |  |  |  |
|  | 2 Legaling My Legaling My Legaling My Legaling My Legaling  | 5min:  | resting 1/5 resting 1/5 resti  |  |  |  |
|  | Requirement and application: see table 5 in   | 1#: U=2.61V  |  |  |  |  |
|  | the standard EN 60896-22  | 2#: U=2.58V  |  |  |  |  |
|  | 1 12 Les 108 12 Les   | 3#: U=2.60V  |  |  |  |  |
| 3. (   | 6.3 Requirement for short-circuit current a   |  | ormation   |  |  |  |
| 55 - 1°<br>175   | The test methods are according to clause  | OPzV-3000:   | 1 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1   |  |  |  |
|  | 6.3.1 to 6.3.6 which are stated in the  | 1#: I <sub>sc</sub> =2649A   |  |  |  |  |
|  | standard EN 60896-21  | $R_i = 4.53 \text{m}\Omega$  |  |  |  |  |
|  | Staridard EN 60696-21   |  | State the value  |  |  |  |
|  |   | 2#: I <sub>sc</sub> =2631A   | State the value  |  |  |  |
|  | Requirement and application: see table 6 in   | Ri =4.56mΩ   |  |  |  |  |
|  | the standard EN 60896-22  | 3#: I <sub>sc</sub> =2661A   |  |  |  |  |
| 4  | 6.4 Requirement for protection against int  | Ri =4.51m $\Omega$   | rk sources   |  |  |  |
| 100 17   | The test methods are according to clause  | a les  | THE SOUTH OF THE THE TEST  |  |  |  |
|  | 6.4.1 to 6.4.6 which are stated in the  | 18 12 102 116 115 15 18 11 12 152 118 1<br>\$ 112 162 118 112 152 153 118 112 152 118 1  |  |  |  |  |
|  | standard EN 60896-21  |  | The rest in The string Its   |  |  |  |
|  |   | Compliant  | 112 Les 148 112 Les 148 115  |  |  |  |
|  | Requirement and application: see table 7 in the standard EN 60896-22  | Lesting the testing the testing the test   |  |  |  |  |
| 45 ,4  |   | 462, 144 142 422, 144 142 422, 144 142 42  | 14 14 162 148 142 162 148  |  |  |  |
| 5  | 6.5 Requirement for protection against gro  | ound snort propensity  | 65 148 112 462 148 112 462 1   |  |  |  |
|  | The test methods are according to clause  | Mg Leading 12 Leading 12 Leading 14  |  |  |  |  |
|  | 6.5.1 to 6.5.9 which are stated in the  | Absence of ground  |  |  |  |  |
|  | standard EN 60896-21  | short/leakage phenomena  | 12 102 108 12 D 52 1 118 12  |  |  |  |
|  | Requirement and application: see table 8 in   | Short sanage pricrioinella   |  |  |  |  |
| 5 72   | the standard EN 60896-22  | Sering Sig desting Siz deserving Sig des   | THE LEST THE TIE LESS THE  |  |  |  |
| 3  | 6.6 Requirement for content and durability of required markings   |  |  |  |  |  |
| E 17   | The durability of the marking shall be tested   | ne durability of the marking shall be tested   |  |  |  |  |
|  | according to clause 1.7.13 of IEC 60950-1   | Information of the life in the |  |  |  |  |
|  | and the content of marking shall meet the   | Information remain readable  | The Leading The Leading 1/2 L  |  |  |  |
|  | requirement of IEC60896-22  | after test and content meet  | The Learning ILB Learning ILP  |  |  |  |
|  | Requirement and application: see table 9  | requirement  |  |  |  |  |
|  | and table10 in the standard EN 60896-22   | Legine In Legins In Legins In Legins In Legins   |  |  |  |  |
|  |   | 13 462 108 12 462 104 1/2 462 144 1/2 1  | The Vis Leading 1/2 Leading  |  |  |  |
| 712  |   |  |  |  |  |  |
| 717  | 6.7 Requirement for material identification   | 15 Leg 148 12 Leg 148 15 Leg 148 15  |  |  |  |  |
| 71/2<br>71/2<br>108 7<br>108   | 6.7 Requirement for material identification The test methods are according to clause  | 12 12 Lest in 122 Lest ing 122 Lest ing 12 |  |  |  |  |
| 7 1 15<br>The results of the results o   | 6.7 Requirement for material identification. The test methods are according to clause 6.7.1 to 6.7.4 which are stated in the  | All the symbol remain  | The Lead ting the Lead ting the said.  Lead ting the lead ting the Lead ting the Land ting ting the Land ting ting ting ting ting ting ting ting   |  |  |  |
| Leering Leerin   | 6.7 Requirement for material identification.  The test methods are according to clause 6.7.1 to 6.7.4 which are stated in the standard EN 60896-21  | 12 Lez 144 Liz Lez 144 Liz Lez 148 Liz   | 1  |  |  |  |
| Test   | 6.7 Requirement for material identification The test methods are according to clause 6.7.1 to 6.7.4 which are stated in the standard EN 60896-21 Requirement and application: see table 11                                | All the symbol remain  |  |  |  |  |
| ins link<br>link<br>stink<br>stink<br>stink<br>stink<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin<br>testin | 6.7 Requirement for material identification.  The test methods are according to clause 6.7.1 to 6.7.4 which are stated in the standard EN 60896-21  Requirement and application: see table 11 in the standard EN 60896-22 | All the symbol remain readable   |  |  |  |  |
| ring T   | 6.7 Requirement for material identification The test methods are according to clause 6.7.1 to 6.7.4 which are stated in the standard EN 60896-21 Requirement and application: see table 11                                | All the symbol remain readable   |  |  |  |  |
| 71/2<br>71/2<br>2 1/2<br>2 1/2<br>3 1/2<br>5 1/2<br>7 1/2<br>7 1/2<br>8 1/2<br>1/3<br>1/3<br>1/3<br>1/3<br>1/3<br>1/3<br>1/3<br>1/3<br>1/3<br>1/3  | 6.7 Requirement for material identification.  The test methods are according to clause 6.7.1 to 6.7.4 which are stated in the standard EN 60896-21  Requirement and application: see table 11 in the standard EN 60896-22 | All the symbol remain readable  alve  The valve adequate opening   | Leading Night Leading Night Leading<br>Leading Night Leading Night Leading<br>Ling Night Leading Night Leading<br>Ling Night Leading Night Leading Night Leading<br>Ling Night Leading Night |  |  |  |
| ins link link link link link link link link  | 6.7 Requirement for material identification.  The test methods are according to clause 6.7.1 to 6.7.4 which are stated in the standard EN 60896-21  Requirement and application: see table 11 in the standard EN 60896-22 | All the symbol remain readable   | See tim 12 Erim 12 certing 12 cer     |  |  |  |



| 108 175  | standard EN 60896-21   | 1 2 Lest time I. Les Line II Lestine II L                      | Les The Lie Les The Me Les   |  |  |
|--|--|--|--|--|--|
|  | Requirement and application: see table 12 in the standard EN 60896-22  | impact test  |  |  |  |
| 9  | 6.9 Requirement for definition of the flammability rating of the materials   |  |  |  |  |
| cerius<br>Tip Ite<br>Tip Ite<br>Tip Ite<br>Tip Ite | The test methods are according to clause 6.9.1 to 6.9.4 which are stated in the standard EN 60896-21  Requirement and application: see table 13 in the standard EN 60896-22  | OPzV-3000: HB 40, V-0  | State the value  |  |  |
| 10   | 6.10 Requirement for performance of the i  | ntercell connector   | The results the results the  |  |  |
|  | The test methods are according to clause 6.9.1 to 6.9.4 which are stated in the standard IEC60896-21  Requirement and application: see table 14  The test methods are according to clause OPzV-3000: The maximum temperature: 56°C |  | State the value  |  |  |
| STIME !  | in the standard EN 60896-22  | ns 12 test ink 12 test ink 12 test ink                         | 12 Less 148 112 Less 148 112 4   |  |  |
| 11   | 6.11 Requirement for discharge capacity p  | performance  | 12 100 14 12 100 14 15   |  |  |
|  | The test methods are according to clause 6.11.1 to 6.11.12 which are stated in the standard EN 60896-21  | OPzV-3000:   | 2 (1118 1/2) Les (18 1/2) Les ( |  |  |
|  | Requirement and application: see table 15 in the standard EN 60896-22  | See the Table 2  | Leating 112 Leating 112 Leating 122 Leatin |  |  |
| 12   | 6.20 Dimensional stability at elevated internal pressures and temperatures   |  |  |  |  |
| 15 70 51<br>15 70 51<br>175 70 51                  | The test methods are according to clause 6.20.1 to 6.20.6 which are stated in the standard EN 60896-21   | OPzV-3000: Change in:<br>Length:0,54% +2mm<br>Width:0.71% +2mm | State the value  |  |  |
|  | Requirement and application: see table 24 in the standard EN 60896-22  | Height:0,86% +3mm  |  |  |  |
| 13   | 6.21Stability against mechanical abuse of units during installation  |  |  |  |  |
| 175 Test   | The test methods are according to clause 6.21.1 to 6.21.6 which are stated in the standard EN 60896-21   | No leakageNo broken  | ' 11   |  |  |



| Table 2: 6.11-Disch        | Sample No.                      | 1#                                       | 2#   | 3#   |
|----------------------------|---------------------------------|--|--|------|
| Capacity                   |                                 | The Less The Lip Less                    | esting 12 Lesting 12<br>sting 12 Lesting 12<br>ting 12 Lesting 12<br>ting 12 St. |      |
| C <sub>rt</sub> =3000.0 Ah | C10<br>(Ah)                     | 3063                                     | 3078   | 3051 |
| C <sub>rt</sub> =3000.0 Ah | %of<br>C <sub>rt</sub>          | 3063                                     | 3078   | 3051 |
| C <sub>rt</sub> =2850.0 Ah | C8<br>(Ah)                      | 2982                                     | 2991   | 2973 |
| C <sub>rt</sub> =2850.0 Ah | %of<br>C <sub>rt</sub>          | 3138                                     | 3147   | 3129 |
| C <sub>rt</sub> =2250.0 Ah | C3<br>(Ah)                      | 2715                                     | 2727   | 2697 |
| C <sub>rt</sub> =2250.0 Ah | %of<br>C <sub>rt</sub>          | 3621                                     | 3636   | 3597 |
| C <sub>rt</sub> =1650.0 Ah | C1<br>(Ah)                      | 1995                                     | 2001   | 1977 |
| C <sub>rt</sub> =1650.0 Ah | %of<br>C <sub>rt</sub>          | 3627                                     | 3639   | 3594 |
| C <sub>rt</sub> =1260.0 Ah | C0.25<br>(Ah)                   | 1437                                     | 1458   | 1434 |
| C <sub>rt</sub> =1260.0 Ah | %of<br>C <sub>rt</sub>          | 3420                                     | 3471   | 3414 |
| Remark                     | Setting 12 Learling 12 Learling | 25°C C <sub>a</sub> ≥ 95%C <sub>rt</sub> |  |      |



## **ATTACHMENTS 1: REAL PHOTOS**



Photo 1

\*\*\*End of the report\*\*\*