



SAMSUNG SDI

Ver.02

UN TEST REPORT

Testing Laboratory	Samsung SDI Co., Ltd
Address	467, Beonyeong-ro, Seobuk-gu, Cheonan-si, Chungcheongnam-do, Korea
Contact	+82-41-560-3114 / http://samsungsdi.co.kr / lian55.kim@samsung.com
Manufacturer's name	Samsung SDI Co., Ltd
Address	467, Beonyeong-ro, Seobuk-gu, Cheonan-si, Chungcheongnam-do, Korea
Contact	+82-41-560-3114 / http://samsungsdi.co.kr / lian55.kim@samsung.com
Test Standard	Recommendations on the Transport of Dangerous Goods: Manual of Tests and Criteria, section 38.3 Sixth revised edition Amendment 1
Description	Lithium ion cell
Physical description	Cylindrical cell

Test Result

No.	Test item	Result	Remark
T-1	Altitude	PASS	
T-2	Thermal Cycling	PASS	
T-3	Vibration	PASS	
T-4	Shock	PASS	
T-5	External Short Circuit	PASS	
T-6	Impact / Crush	PASS	
T-7	Overcharge	N/A	Battery only
T-8	Forced Discharge	PASS	

Name	Position	Signature	Date
An Jong Ho	Engineer		2019.12.02

**Test report list**

Model Name	Ratings			Mass (g)	Report number	Date of issue	Test period	Rev edition
	V	Ah	Wh					
ICR18650-22F	3.6	2.2	7.9	44.50	MT003025817	2014.04.29	2008.02.21 2013.04.05	2011, Rev.5 Amend.1 (Test T.6)
ICR18650-22P	3.65	2.15	7.8	44.50	SDI-UN-150630-01	2015.06.30	2015.05.07 2015.06.07	2013, Rev5,Amend.2
ICR18650-26J1	3.63	2.6	9.4	45.00	SDI-UN-161205-05	2016.12.05	2014.08.27 2014.09.27	2013, Rev.5,Amend.2
ICR18650-26J2	3.63	2.6	9.4	46.00	SDI-UN-190906-02	2019.03.08	2019.02.05 2019.02.25	2017,Rev.6 Amend.1
ICR18650-30B	3.78	2.95	11.2	48.00	MT0019956	2010.02.01	2010.01.08 2010.01.31	2009,5 th Revision
INR18650-13B	3.6	1.3	4.7	45.00	SDI-UN-190904-01	2019.09.04	2013.05.31 2013.06.25	2015,Rev.6
INR18650-13L	3.6	1.3	4.7	43.50	SDI-UN-151102-01	2015.11.02	2015.11.02	2009, 5 th Revision
INR18650-13Q	3.6	1.3	4.7	43.00	MT002951751	2013.10.25	2009.10.24	2007, Rev.4 Amend.2
INR18650-15J	3.6	1.5	5.4	43.00	SDI-UN-141105-02	2014.11.05	2014.08.27 2014.09.27	2013,Rev.5,Amend.2
INR18650-15L	3.6	1.5	5.4	43.00	SDI-UN-151110-01	2013.10.24	2010.05.27	2009,5 th Revision
INR18650-15M	3.6	1.5	5.4	43.00	SDI-UN-150630-02	2015.06.30	2015.05.15 2015.06.12	2013,Rev.5,Amend.2
INR18650-15Q	3.6	1.5	5.4	45.00	MT0019194	2009.12.24	2009.12.24	2003, 4 th Revision
INR18650-15U	3.6	1.5	5.4	43.50	SDI-UN-151109-01	2015.11.09	2013.06.14 2013.07.13	2011,Rev.5,Amend.1
INR18650-20Q	3.6	2	7.2	45.00	MT0037872	2014.01.03	2011.06.01 2011.06.08	2009, 5 th Revision
INR18650-20R	3.6	2	7.2	45.00	SDI-UN-150630-03	2015.06.30	2015.05.15 2015.06.12	2013,Rev.5,Amend.2
INR18650-20S	3.6	2	7.2	48.00	SDI-IN-141111-01	2014.11.11	2014.10.01 2014.10.27	2013,Rev.5,Amend.2
INR18650-25R	3.6	2.5	9.0	47.00	SDI-UN-150318-01	2015.03.18	2015.02.11 2015.03.06	2013,Rev.5,Amend.2
INR18650-29E6	3.65	2.85	10.4	48.00	SDI-UN-161228-05	2016.12.28	2016.12.12 2016.12.26	2015, Rev.6
INR18650-29E7	3.7	2.7	10.0	46.80	SDI-UN-180209-01	2018.02.09	2018.01.03 2018.01.22	2015, Rev.6
INR18650-30Q	3.6	3	10.8	48.00	SDI-UN-190906-01	2019.09.06	2019.07.01 2019.08.02	2017,Rev.6 Amend.1
INR18650-33G	3.6	2.8	10.1	49.00	SDI-UN-161226-01	2016.12.26	2016.12.07 2016.12.24	2015, Rev.6
INR18650-35E3	3.6	3.4	12.2	50.00	SDI-UN-180214-01	2018.02.14	2017.08.12 2017.08.31	2017,Rev.6 Amend.1
INR21700-30T	3.6	3	10.8	70.00	SDI-UN-170331-01	2017.03.31	2016.02.24 2016.04.20	2015,Rev.6
INR21700-40T	3.6	4	14.4	70.00	SDI-UN-170306-01	2017.03.06	2016.12.07 2016.12.24	2015,Rev.6
INR21700-48X	3.64	4.8	17.5	69.50	SDI-UN-190722-03	2019.07.22	2017.11.24 2017.12.15	2015,Rev.6
INR21700-50E	3.63	4.9	17.8	69.50	SDI-UN-191107-02	2019.11.07	2019.10.29 2019.11.06	2017,Rev.6 Amend.1



SAMSUNG SDI

Ver.02

INR21700-41J	4.15	3.96	14.4	67.20	SDI-UN-181109-01	2018.11.08	2018.10.24 2018.11.08	2017,Rev.6 Amend.1
INR18650-32E	3.65	3.1	11.32	50.00	SDI-UN-190702-01	2019.07.02	2019.06.14 2019.06.24	2017,Rev.6 Amend.1