

LFP Series list of standards and tests

The list below shows the tests performed on the LFP Series (MGLFP240280, MGLFP241280, MGLFP242280).

Cell level

Standard	Test	Date	Notified body	Passed
IEC 62619:2017 EN 62619:2017	7.2.1 External short-circuit test	27-12-2018	TÜV Rheinland (Shenzhen) Co., Ltd.	P
	7.2.2 Impact test			P
	7.2.3.2 Whole drop test			P
	7.2.4 Thermal abuse test			P
	7.2.5 Overcharge test			P
	7.2.6 Forced discharge test			P
	7.3.2 Internal short-circuit test (cell)			P
IEC 62620:2014 EN 62620:2015	6.4 Charge (capacity) retention and recovery	30-7-2021	MG Energy Systems B.V. / Kiwa Primara GmbH	P
	6.5.2 Measurement of the internal a.c. resistance	27-05-2021	Kiwa Primara GmbH	P
UN38.3 Rev. 5 Transport safety tests (cell level)	T1: Altitude simulation	20-11-2018	Guandong inspection and quarantine technology center. IQTC.	P
	T2: Thermal test			P
	T3: Vibration			P
	T4: Shock			P
	T5: External short-circuit			P
	T6: Impact / crush			P
	T8: Forced Discharge			P

Battery module and system level

Standard	Test	Date	Notified body	Passed
IEC 62619:2017 EN 62619:2017	7.2.3 Drop test	17-3-2021	Kiwa Primara GmbH	P
	8.2.2 Overcharge control of voltage	1-2-2021	Kiwa Primara GmbH	P
	8.2.3 Overcharge control of current	1-2-2021	Kiwa Primara GmbH	P
	8.2.4 Overheating control	1-2-2021	Kiwa Primara GmbH	P
IEC 62620:2014 EN 62620:2015	6.3.1 Discharge performance at +25°C	17-5-2021	Kiwa Primara GmbH	P
	6.3.2 Discharge performance at low temperature	9-6-2021	Kiwa Primara GmbH	P
	6.3.3 High rate permissible current	22-6-2021	MG Energy Systems B.V. / Kiwa Primara GmbH	P
	6.5.3 Internal D.C. resistance	15-5-2021	Kiwa Primara GmbH	P
	6.6.1 Endurance cycle	28-5-2021	MG Energy Systems B.V. / Kiwa Primara GmbH	P

UN38.3 Rev. 6 Transport safety tests (battery level)	T1: Altitude simulation	6-7-2020	Vkan Certification & Testing Co. Ltd.	P
	T2: Thermal test			P
	T3: Vibration			P
	T4: Shock			P
	T5: External short-circuit			P
	T7: Overcharge			P