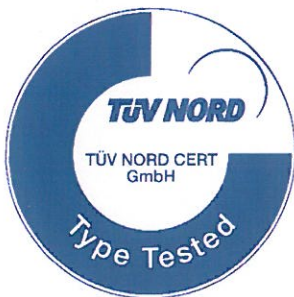


CERTIFICATE

Hangzhou Weimu Technology Co., Ltd.

Floor 3, Building 1, Yongle Countryside, Cangqian Street, Yuhang District, Hangzhou City, Zhejiang Province, 311121, P.R. China

is authorized to provide the product(s) mentioned below with the mark as illustrated:



Description of product(s) (details see Annex 2):

Secondary Lithium Battery

It is certified by TÜV NORD CERT GmbH that the product(s) described above has(have) been assessed according to the certification program mentioned below and found in compliance with the requirements of below specified certification fundamental(s). This certification is based on evaluation results as documented in test report(s) referenced below and production site(s) audit results as documented in factory inspection report(s) referenced in Annex 1. This certificate is valid in conjunction with these quoted report(s).

Certification program:	P31-VA-01 Rev. 02 04.20	
Certification fundamental(s):	IEC 62619:2017	
Registered no.:	44 780 21 406749 - 081	
Manufacturer and factory(-ies):	See Annex 1	
Test report no.:	492011670.001	Valid from: 2021-05-11
File no.:	PVP10035/20E-01	Valid until: 2026-05-10



TÜV NORD CERT GmbH
Certification Body
Energy Storage System



Essen, 2021-05-11

ANNEX

Annex 1, Page 1 of 1

to Certificate registration no. 44 780 21 406749 - 081

Manufacturer:

Hangzhou Weimu Technology Co., Ltd.

Floor 3, Building 1, Yongle Countryside, Cangqian Street, Yuhang District,
Hangzhou City, Zhejiang Province, 311121, P.R. China

Factory(-ies):

Factory :

Hangzhou Weimu Technology Co., Ltd.

Floor 3, Building 1, Yongle Countryside, Cangqian Street, Yuhang District,
Hangzhou City, Zhejiang Province, 311121, P.R. China

Factory inspection report no.: 862010476.001

Remark:

Factory inspection is mandatory to be performed annually. Please refer to factory inspection report for detailed information.

A handwritten signature in blue ink, appearing to read "Shawee Uler".

TÜV NORD CERT GmbH
Certification Body
Energy Storage System

Essen, 2021-05-11

ANNEX

Annex 2, Page 1 of 2

to Certificate registration no. 44 780 21 406749 - 081

Description of product(s):

Model type(s):	LiFePO₄ Lithium-ion Battery: VT48100E-A1, VT48100E-B1, VT48100E-P1, VT48100E-H1
Cell type:	C49-100Ah
Battery designation:	IFpP50/121/161/[15S]E/-10+30/95
Rated capacity:	100Ah
Nominal voltage:	48V
Watt-hour:	4800Wh
Recommended (rated) charge method:	20A (0.2C) charge to 54V CC, then charge to current ≤5A CV
Maximum charge current:	100A (1C)
Maximum charge voltage:	55.5V
Charge temperature range:	From 0°C to 60°C
Recommended (rated) discharge method:	20A (0.2C) discharge to 37.5V
Maximum discharge current:	100A (1C)
Discharge cut-off voltage:	37.5V
Discharge temperature range:	From -20°C to 60°C
Nominal weight:	39.0±0.5kg
Nominal dimension:	482±2mm x 438±2mm x 130±2mm
Storage temperature range:	From 0°C to 40°C



TÜV NORD CERT GmbH
Certification Body
Energy Storage System

Essen, 2021-05-11

ANNEX

Annex 2, Page 2 of 2

to Certificate registration no. 44 780 21 406749 - 081

Description of product(s):

Model type(s):	LiFePO₄ Lithium-ion Battery: VT48100E-A2, VT48100E-B2, VT48100E-P2, VT48100E-H2
Cell type:	C49-100Ah
Battery designation:	IFpP50/121/161/[16S]E/-10+30/95
Rated capacity:	100Ah
Nominal voltage:	51.2V
Watt-hour:	5120Wh
Recommended (rated) charge method:	20A (0.2C) charge to 57.6V CC-CV, then charge to current ≤5A CV
Maximum charge current:	100A (1C)
Maximum charge voltage:	59.2V
Charge temperature range:	From 0°C to 60°C
Recommended (rated) discharge method:	20A (0.2C) discharge to 40V
Maximum discharge current:	100A (1C)
Discharge cut-off voltage:	40V
Discharge temperature range:	From -20°C to 60°C
Nominal weight:	42±0.5kg
Nominal dimension:	482±2mm x 438±2mm x 130±2mm
Storage temperature range:	From 0°C to 40°C

Remark:

For detailed product information, please refer to CDF (Constructional Data Form) in Annex 1 of test report.

