

CERTIFICATE

Suzhou Lepton Energy Co., LTD

No. 9, Sunshine Avenue, Yushan High Technology Industry Zone,
Changshu City, Jiangsu Province, 215500 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):

LFP Lithium Ion Energy Storage Battery System

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 62619:2022

Registered no.: 44 780 23 406749 - 217

Manufacturer and factory(-ies): See Annex 1

Test report no.: 492012503.001

Valid from: 2023-07-21

File no.: PVP04083/23E-01

Valid until: 2028-07-20

A blue ink signature, likely of a representative of TÜV NORD CERT.

TÜV NORD CERT GmbH
Certification Body
Energy Storage System

Essen, 2023-07-21

ANNEX

Annex 1, Page 1 of 1

to Certificate registration no. 44 780 23 406749 - 217

Manufacturer:

Suzhou Pulling New Energy Co., LTD

No. 9, Sunshine Avenue, Yushan High Technology Industry Zone, Changshu City, Jiangsu Province, 215500
P.R.China

Factory(-ies):

Suzhou Pulling New Energy Co., LTD

No. 9, Sunshine Avenue, Yushan High Technology Industry Zone, Changshu City, Jiangsu Province, 215500
P.R.China

Factory inspection report no.: 862010783.001

Remark:

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

A blue ink signature, likely of a representative from TÜV NORD CERT.

TÜV NORD CERT GmbH
Certification Body
Energy Storage System

Essen, 2023-07-21

ANNEX

Annex 2, Page 1 of 4

to Certificate registration no. 44 780 23 406749 - 217

Description of product(s):

Model type(s):	EH-A05-102/102
Cell type:	PC-0B1-39148A2-A1
Battery designation:	IFpP42/151/108/[(32S)1S]E/-20+50/90
Rated capacity:	50Ah
Nominal voltage:	102.4V
Watt-hour:	5120Wh
Recommended charge method:	25A (0.5C) charge to 112V CC-CV
Maximum charge current:	50A (1C)
Maximum charge voltage:	115.2V
Charge temperature range:	25A (0.5C) discharge to 96V
Recommended discharge method:	50A (1C)
Maximum discharge current:	50A (1C)
Discharge cut-off voltage:	94.4V
Discharge temperature range:	From -20°C to 50°C
Nominal weight:	71±5kg
Nominal dimension:	800mm x 560mm x 195mm
Storage temperature range:	From -20°C to 60°C

A blue ink signature, likely of a representative of TÜV NORD CERT GmbH.

TÜV NORD CERT GmbH
Certification Body
Energy Storage System

Essen, 2023-07-21

ANNEX

Annex 2, Page 2 of 4

to Certificate registration no. 44 780 23 406749 - 217

Description of product(s):

Model type(s):	EH-A05-102/204
Cell type:	PC-0B1-39148A2-A1
Battery designation:	IFpP42/151/108/[(32S)2S]E/-20+50/90
Rated capacity:	50Ah
Nominal voltage:	204.8V
Watt-hour:	10240Wh
Recommended charge method:	25A (0.5C) charge to 224V CC-CV
Maximum charge current:	50A (1C)
Maximum charge voltage:	230.4V
Charge temperature range:	From 0°C to 50°C
Recommended discharge method:	25A (0.5C) discharge to 192V
Maximum discharge current:	50A (1C)
Discharge cut-off voltage:	188.8V
Discharge temperature range:	From -20°C to 50°C
Nominal weight:	126±5kg
Nominal dimension:	800mm x 840mm x 195mm
Storage temperature range:	From -20°C to 60°C

A blue ink signature, likely of a representative of TÜV NORD CERT GmbH.

TÜV NORD CERT GmbH
Certification Body
Energy Storage System

Essen, 2023-07-21

ANNEX

Annex 2, Page 3 of 4

to Certificate registration no. 44 780 23 406749 - 217

Description of product(s):

Model type(s):	EH-A05-102/307
Cell type:	PC-0B1-39148A2-A1
Battery designation:	IFpP42/151/108/[(32S)3S]E/-20+50/90
Rated capacity:	50Ah
Nominal voltage:	307.2V
Watt-hour:	15360Wh
Recommended charge method:	25A (0.5C) charge to 336V CC-CV
Maximum charge current:	50A (1C)
Maximum charge voltage:	345.6V
Charge temperature range:	From 0°C to 50°C
Recommended discharge method:	25A (0.5C) discharge to 288V
Maximum discharge current:	50A (1C)
Discharge cut-off voltage:	283.2V
Discharge temperature range:	From -20°C to 50°C
Nominal weight:	181±5kg
Nominal dimension:	800mm x 1120mm x 195mm
Storage temperature range:	From -20°C to 60°C

A blue ink signature, likely of a representative of TÜV NORD CERT GmbH.

TÜV NORD CERT GmbH
Certification Body
Energy Storage System

Essen, 2023-07-21

ANNEX

Annex 2, Page 4 of 4

to Certificate registration no. 44 780 23 406749 - 217

Description of product(s):

Model type(s):	EH-A05-102/409
Cell type:	PC-0B1-39148A2-A1
Battery designation:	IFpP42/151/108/[(32S)4S]E/-20+50/90
Rated capacity:	50Ah
Nominal voltage:	409.6V
Watt-hour:	20480Wh
Recommended charge method:	25A (0.5C) charge to 448V CC-CV
Maximum charge current:	50A (1C)
Maximum charge voltage:	460.8V
Charge temperature range:	From 0°C to 50°C
Recommended discharge method:	25A (0.5C) discharge to 384V
Maximum discharge current:	50A (1C)
Discharge cut-off voltage:	377.6V
Discharge temperature range:	From -20°C to 50°C
Nominal weight:	236±5kg
Nominal dimension:	800mm x 1400mm x 195mm
Storage temperature range:	From -20°C to 60°C

Remark:

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



TÜV NORD CERT GmbH
Certification Body
Energy Storage System

Essen, 2023-07-21