

Declaration of Conformity

(No.: 2024102111002)

Product: Secondary Lithium Battery
Battery Category: Industrial Battery
Model Number: VE48100E/VE48100E-P2/VT48100E-P2/VT48100E-W
Battery Designation: IFpP51/161/120/[16S]E/-20+40/95
Manufacturer: V-TAC EUROPE Ltd
Address: 41, Rozhen Str. | 1271 Sofia | Bulgaria

We, V-TAC EUROPE Ltd declare under our sole responsibility that the above referenced product is in conformity with the applicable requirements of the following Regulations:
EU Battery Regulation: (EU) 2023/1542.

Conformity with these directives has been assessed for the product by demonstrating compliance to the following technical specifications/standards and/or regulations:

Restrictions on substances	Article 6 to Regulation (EU) 2023/1542
Performance and durability requirements	Article 10 to Regulation (EU) 2023/1542
Safety of stationary battery energy storage systems	Article 12 to Regulation (EU) 2023/1542
Information on the state of health and expected lifetime of batteries	Article 14 to Regulation (EU) 2023/1542

The manufacturer applied the procedure for assessment of conformity as per (EU) 2023/1542, Annex VIII, Part A (INTERNAL PRODUCTION CONTROL).
No Notified Body was involved.

Signed for and on behalf of:

Name:

Position:

Signature:

Place/Date: Sofia/2024-10-21



ANNEX I
Compliance Commitment Letter for Article 6 of (EU)2023/1542
Prohibited and restricted substances compliance statement

Product: Secondary Lithium Battery
Battery Category: Industrial Battery
Model Number: VE48100E/VE48100E-P2/VT48100E-P2/VT48100E-W
Battery Designation: IFpP51/161/120/[16S]E/-20+40/95
Manufacturer: V-TAC EUROPE" Ltd
Address: 41, Rozhen Str. | 1271 Sofia | Bulgaria

We, V-TAC EUROPE" Ltd declares that the products listed in the attached table meet the requirements of Reference to European Council Directive 2000/53/EC and its amendment directives, Candidate List of Substances of Very High Concern for authorization published by European Chemicals Agency (ECHA) Regarding Regulation (EC) No. 1907/2006 concerning REACH Regulation (EU) 2023/1542 of the European Parliament and of the Council Concerning Batteries and Waste Batteries.

Our company is willing to actively cooperate with your company's control of prohibited and restricted substances in automobiles. Our company promises to bear corresponding economic and legal responsibilities in case of losses caused by violating this statement.

Part number	Part name	Lead	Mercury	Cadmium
1	Battery	≤0.01%	≤0.0005%	≤0.002%

-(EU) 2023/1542: Lead (0.01%), Mercury (0.0005%), Cadmium (0.002%)
-Although the above-mentioned substances are not permitted to be used or to be incorporated into final product, we can't exclude any possibility that negligible residues may be present. Please note that this declaration letter applies only to these products.

Signed for and on behalf of:

Name:

Position:

Signature:

Place/Date: Sofia/2024-10-21



ANNEX IV
Performance and durability requirements for rechargeable industrial batteries, LMT
batteries and electric vehicle batteries – Article 10

Product: Secondary Lithium Battery
Battery Category: Industrial Battery
Model Number: VE48100E/VE48100E-P2/VT48100E-P2/VT48100E-W
Battery Designation: IFpP51/161/120/[16S]E/-20+40/95
Manufacturer: V-TAC EUROPE™ Ltd
Address: 41 , Rozhen Str. | 1271 Sofia | Bulgaria

Table 1 Electrochemical performance and durability Parameters Values

Parameters	Values
Rated Capacity (in Ah)	100Ah(1C)/100Ah(1/3C)
Rated Capacity fade	After 6000 reference cycles, capacity retention is 70%.
Power (in W)	80%SOC@5.2kW 50%SOC@5.12kW 20%SOC@5kW
Power fade (in %)	Meet client requirements, 80%SOC, 20%SOC, fade is 0%
Internal resistance (in Ω)	Original internal a.c. resistance R_{ac} is no more than 20 m Ω
Internal resistance increase (in %)	After 6000 cycles, internal a.c. resistance increase is 50%
Energy round trip efficiency (in %)	Original discharging energy/Original charging energy=94%
Energy round trip efficiency fade (in %)	After 6000 cycles, energy round trip efficiency fade is no more than 10%.
Expected lifetime of the battery	After 6000 cycles, capacity retention rate is 70%@25°C.

Signed for and on behalf of:

Name:

Position:

Signature:

Place/Date: Sofia/2024-10-21

