ENERGY
Scientific Production Enterprise

Мосгортранс

JOINT PROJECT OF ZAO ENERGY SPE and
MOSGORTRANS State Unitary Enterprise

Charging Stations ZSE-500T

Description

Charging stations ZSE-500T manufactured by ZAO ENERGY SPE are designed for fast charging of electric buses.

Charging stations are designed to be supplied from the Mosgortrans traction network with the nominal DC voltage of 600V.

ENERGY SPE charging stations have several design options, which significantly simplifies their installation and commissioning under various requirements.

Each CS has automatic control and safety systems with shutdown devices for HV circuits in case permitted charging parameters are violated and short circuits occur.

The control interface represents a color LCD screen.

Charging Stations
ZSE-500T
Specifications

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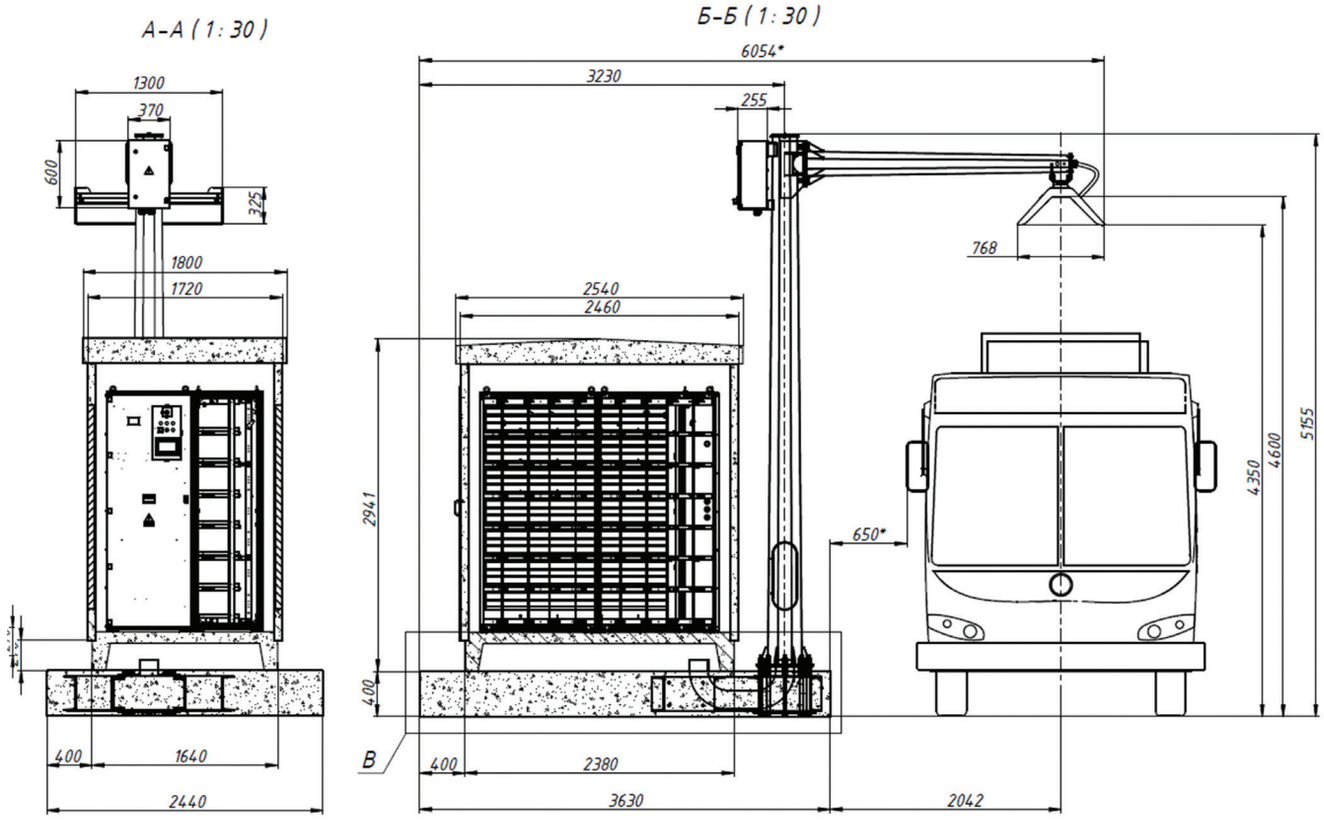
Key technical data
ZSE-500T charging station

Nominal DC input voltage range, V	580–720
Limit DC input voltage range*, V	300–720 (The charging station remains operative within the input voltage range of 300 to 580V when the maximum output voltage is reducing)
Nominal AC input voltage range, V (for version supplied from AC mains)	380
Nominal output current, A	500
Maximum output current, A	540
Nominal power, kW	300
Output current setting accuracy, %	10
Output voltage range, V	380–720
Min. efficiency, %	95
Cooling	forced
Max. overall dimensions (W x D x H), mm	depending on design
Electrical shock protection	- Protective grounding that prevents potential on the station housing; - Galvanic decoupler between input power voltage and output charging voltage; - Output charging voltage isolation control. - The insulation resistance is at least 10 MOhm; - Mechanical protection of the housing and process hatches against unauthorized opening and penetration inside the unit; - Disconnector with a visible gap in the power voltage circuit. - Disconnector with a visible gap in the charging voltage circuit.
Protection against emergency processes	- Electronic protection against charging overcurrent; - Electronic protection against consumption overcurrent; - Electronic protection against input overvoltage;

Charging station overall dimensions



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