



JN 750/220/24

AUXILIARY CONVERTER



Modernization of urban transport vehicles



Total efficiency $\geq 91\%$



Modular system

This static converter is intended for purposes of modernization of urban transport vehicles. It replaces dynamos, alternators or battery chargers of obsolete designs. JN 750/220/24 is installed under the floor of the vehicle. Its concept utilizes IGBT- technology and new materials with use of stainless-steel structures.

Technical specification

Input:

Nominal input voltage	750 V DC
Input voltage oscillation range	$\pm 30\%$
Nominal input current	35 A $\pm 5\%$
Maximal input current (for U min 525 V DC)	50 A $\pm 5\%$
Overvoltage according to	STN EN 50163 and STN EN 50124-2
Total efficiency	$\geq 91\%$

Output 1:

Output 1 consists of a three-phase inverter with constant frequency and a separating transformer.

Nominal output voltage	3 x 220 V
Output voltage form	sinus
Nominal output frequency	60 Hz
Nominal effective output current	48 A
Nominal three-phase power	18 kVA/ 15,3 kW
Maximal three-phase power	70 kVA/ 35 kW/ 3 sec
Short-circuit-proof output	yes
Galvanic output separation from supplying voltage	yes

Output 2:

Nominal output voltage	26,1 V DC
Adjustable output voltage	24V to 30V DC
Maximal total output current	200 A
Nominal charging current of battery	40 A
Maximal power rating	6 kW
Galvanic output separation from supplying voltage	yes
Short-circuit resistance	yes

Other data:

Covering	IP54 electronic circuits IP21 magnetic circuits
Cooling	air, natural
Dimensions (W x H x D) mm	1440 x 534 x 650
Weight	450 kg