



# JN3014M-X

MULTISYSTEM AUXILIARY CONVERTER  
OF MODULAR CONCEPTION



Device of new generation



Total power of converter 54 kW



Modular system

The auxiliary converter JN 3014M-X represent device of new generation go from successful conception of JN converter series. The inovation consist in mostly unifique control circuits with efficiency digital signal processor, in new software and diagnostic. The device is designed on international operation for European railways. Power is dimensioning for mounting of converter to the fully air-conditioned passenger coaches.

The power of converter [54 kW) is dimensioned for installation to the fully air-conditioned passenger coaches. The converter provides voltage for supplying of climatization, ventilation, smaller alternate appliances and charging battery. New conception brings reduced heigth and box volume and part of input circuits is placed directly in the main construction of the converter.

### Output DC1 – battery charger

Nominal voltage of battery	24V DC
Nominal output voltage	up to 30V - depends on
requested charging voltage	
Thermal compensation of voltage	possible on request
Maximal Output current	max. 200A (loads + battery)
Battery charging current	adjustable by SW parameter
Maximum power	6kW (200A at 30V) *

### Output AC1 – fixed frequency inverter

Nominal output voltage	3x400V AC
Nominal output frequency	50Hz
Available power	30kVA *
Neutral wire for 230V single phase loads	yes, on request

### Output AC2 – variable frequency inverter

Nominal output voltage	3x0-400V AC (U/f curve adjustable by SW)
Nominal output frequency	0-100Hz (U/f curve adjustable by SW)
Available power	30kVA *

\*Note: Power of low voltage modules can be changed or adjusted on request. Available are standard 24V chargers with output current up to 350A (10,5kW/30V) and reversible 24V chargers up to 300A (9kW/30V). Three phase Inverters are available with various nominal rating 14kVA/31kVA/45kVA/52kVA/100kVA.