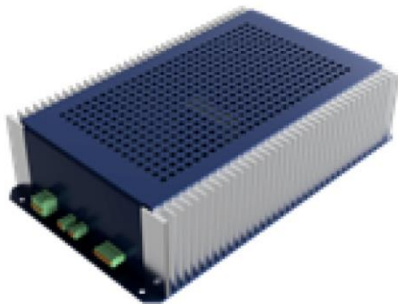


## ПЧ-80DC-230AC-800 (ВПТС.426424.001-14)



Input voltage 80 VDC  
Output voltage 230 VAC  
Output power 800 VA  
Transportation design M25

### Features

- Making of modern components, based on the modular design
- Russian design and manufacture
- The solution has been developed on the rolling stock of Russian Railways
- Operating mode LED indication
- Input overvoltage protection
- Input voltage inverse-polarity protection
- Input voltage interference protection
- Output short circuit protection
- Output overload protection
- Disabling in case of battery supply on a rolling stock (battery discharge protection)
- Limiting of input capacitors charge current
- Low level of generated conducted and inductive interference
- Rolling stock mechanical and climatic design

### Specifications

Name	Value
DC supply voltage value	50 to 90 V
Effective value of AC output voltage 50 Hz	230 V (200-240 V)
Output power	800 VA
Output voltage stabilization accuracy	± 3 %
Output voltage shape	pure sinewave
Rated output frequency	50 Hz
Output frequency stabilization accuracy	± 0.5%
Output voltage THD	
At linear load	1 % max
At non-linear load	4 % max
Feedback	"Power good" signal type "dry contact" or "open collector"
Cross ratio	3 : 1
Overload capability	
Up to 105 %;	Long-term
105 % to 150 %	5 s (with subsequent switching off)
Efficiency	87 % min
External interface	CAN (on/off, operating mode, errors)
Remote switching on/off	Digital signal 80 V

## Specifications

Name	Value
Short circuit protection	load trip
Input pulse interference protection	up to 450 V, 50± 1 μs
Overheating protection	yes
Battery discharge protection	On/off threshold is set
Operating temperature	-40 °C to +60 °C
Service life	20 years
Protection level	IP31
Unit weight	4 kg, max
Overall dimensions (HxWxD)	80 x 332 x 200
Structural design category	M25

## Outline drawing

