

## DESCRIPTION OF EQUIPMENT

EPI type converters are designed for use in uninterruptible DC power supply systems, as power supplies with rated DC voltage of 24V, 48V, 110V, 220V, or other voltages compatible with device specifications.

Compact type converters can be made in a floor-standing version (CS) and a wall-mounted version (CW). Converter in a floor-standing version is equipped with a foot for mounting to the floor. Converter in a wall-mounted version is fixed at the wall using hangers attached to the cabinet. In addition, the CS type converter can be equipped with ground fault monitoring system.

- High stability of voltage and output current;
- Low ripple of voltage and output current;
- Small size and weight;
- Quiet operation;
- High efficiency;
- Galvanic isolation of battery power supply;
- Communication interface RS485, USB;
- Minimizing of generated interference, also due to the use of multi-stage noise suppression filters;
- Events logging - all events are recorded in the converter's memory;
- Data archiving - the device is equipped with the archival log recording events in the flash memory;
- Output ground fault monitoring (as option);



### HOUSING:

	CW4	CS4	CW6	CS6
Protection class	IP20	IP20	IP20	IP20
Cable entry	from bottom	from bottom	from bottom	from bottom
Colour	RAL 7035	RAL 7035	RAL 7035	RAL 7035
Dimensions (W x H x D)	400x600x250	400x1200x250	500x700x250	500x1400x250

## SYSTEM PARAMETERS:

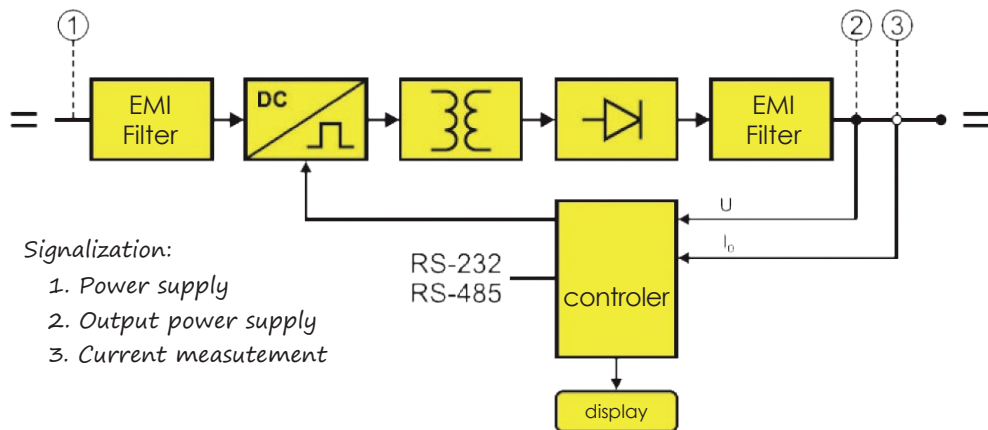
Power supply voltage	V	110 lub 220
Tolerance of power supply voltage	V	-15 / +40%
Rated output DC voltage	V	Look at type series table
Output voltage stabilization	%	+/- 1%
Output voltage ripple	V	+/- 0,2%
Rated output current (I <sub>n</sub> )	A	I <sub>n</sub> - Look at type series table
Overload		1.5I <sub>n</sub> by 3 sec.
Output current stabilization		+/- 1 %
Output current ripple		+/- 0,2 %
General efficiency		> 92%
EMC		Filters EMI

## ENVIRONMENT

Ambient temperature (EN 50178 class 3k3)	°C	0 to +40
Storage temperature	°C	-40 to +55
Humidity (EN50178 class 3k3)	%	Max. 80 (without dew)
Location		Maintenance and service from the front
Maximum altitude	m n.p.m.	1000*

\* Above 1000 m, make sure to lower the rated current by 5% for every additional 1000 m

## Block diagram (example)



## Type series of converters in Compact version

OUTPUT VOLTAGE	110VDC		220VDC	
Housing type	CW4, CS4	CW6, CS6	CW4, CS4	CW6, CS6
Output voltage	Output current		Output current	
220VDC	10A	25A	10A, 25A	50A
110VDC	25A	50A	25A, 50A	75A, 100A
60VDC	50A	75A, 100A	50A	75, 100A
48VDC	50A, 75A, 100A		50A, 75A, 100A	
24VDC	50A, 75A, 100A		50A, 75A, 100A	

The manufacturer reserves the right to change parameters of the devices. Other types and solutions can be delivered on request.

