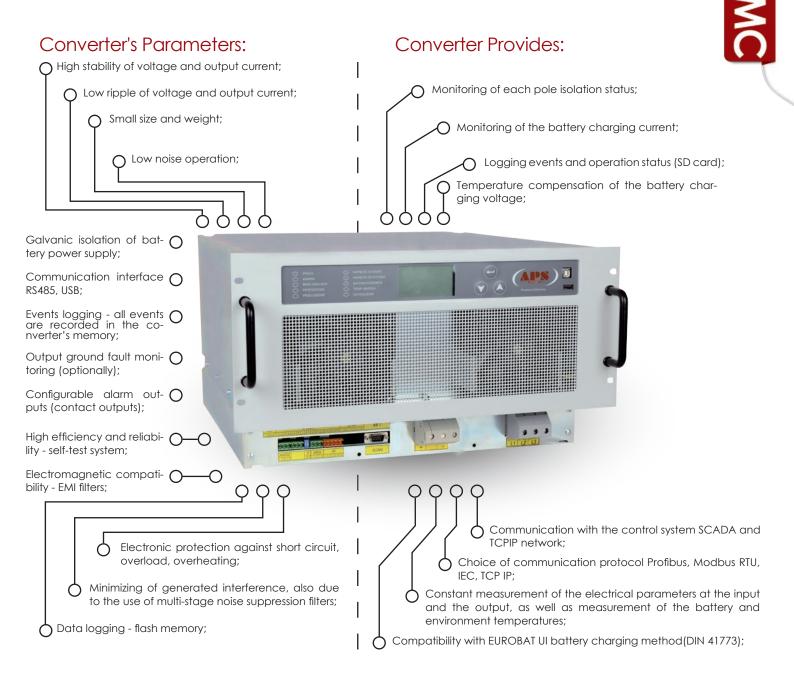


## **DEVICE DESCRIPTION**

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

Enclosure of modular rectifiers APS Energia has a height of 4U or 6U and is designed for industrial cabinets 19".

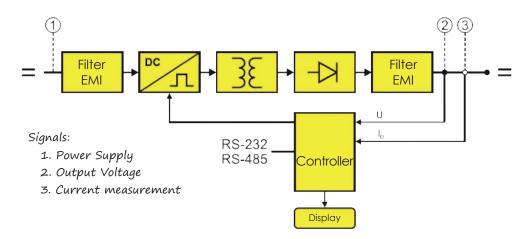
Power supply of DC users can be carried out either without battery as a simple DC/DC conversion or with a battery and controlling software to ensure correct battery charging.



SYSTEM PARAMETERS:	UNITS:	VALUES:	
Power supply voltage	V	110 or 220	
Tolerance of power supply voltage	%	-15 / +40%	
Rated output DC voltage	V	see the table below	
Output voltage stabilization	%	+/- 1%	
Output voltage ripple	%	+/- 0,2%	
Rated output current (In)	A	see the table below	
Overload	A	1.5In up to 3s	
Output current stabilization	%	+/-1%	
Output current ripple	%	+/- 0,2 %	
Efficiency	%	> 92%	
EMC		EMI filters	
ENVIRONMENT			
Ambient temperature (EN 50178 class 3k3)	°C	0 to +40	
Storage temperature	°C	-40 to +55	
Humidity (EN50178 class 3k3)	%	Max. 80 (without condensation)	
Access		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)



STANDARDS:	TYPE SERIES C	of converters	IN COMPACT	VERSION	
EN 61204: 1995/A1:2001	Input voltage	110 V DC		220 V DC	
EN 61204-3:2000	Housing type	4U	60	4U	6U
EN 61204-6:2001	Output voltage	Output current		Output current	
EN 61204-7:2006/A11:2009	220 V DC	10 A	25 A	10 A, 25 A	50 A
EN 50178: 1997	110 V DC	10 A	25 A, 50 A	10 A, 25 A, 50 A	75, 100 A
EN 60950: 2000	60 V DC		50 A, 75 A, 100 A	50 A	75, 100 A
EN 61000-6-4:2007/A11:2011	48 V DC	50 A	75 A, 100 A	20 A, 50 A, 75 A, 100 A	
EN 61000-2-4:2002	24 V DC	50 A		50 A, 75 A, 100 A	

EN 61000-2-2:2002

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



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