

AC/DC converters

KAM Family

KAM2400-1W28AML



Basic specifications

Output current	up to 52 A
Input voltage	187..264 VAC, 1Ph 47..400 Hz
Output voltage	=28 VDC
Efficiency.....	89 %
Operating environment temperature..	-10...+55 °C
Dimensions	88×554×428 mm
Warranty	2 years

Advantages

- ▶ Extra low ripple-and-noise level of 100 mV without external components
- ▶ Design to meet Mil-Std-461E

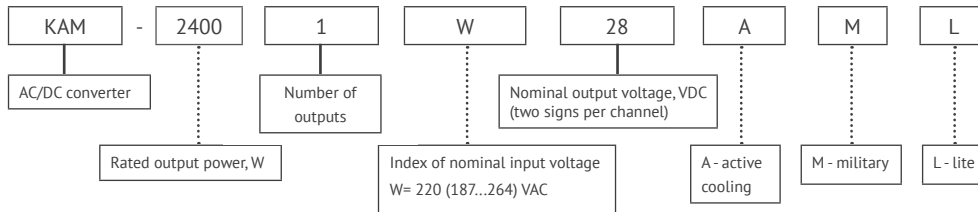
Order registration

+7 473 200 87 80, Global Operations Team

Technical support

Mikhail Timokhin, mtimohin@kwsystems.ru

Ordering information



Output specifications

Parameter	Value	
Output voltage, VDC	28	
Efficiency, %	89	
Output current, A	5	52
Ripple and noise (peak-to-peak)	100 mV	
Line and load regulation	max 1 %	
Start-up time	1 s (U _{in} =220B AC)	

Input specifications

Parameter	Value
Input voltage range, VAC	187..264
Mains frequency range, Hz	1Ph 47..400

Protections

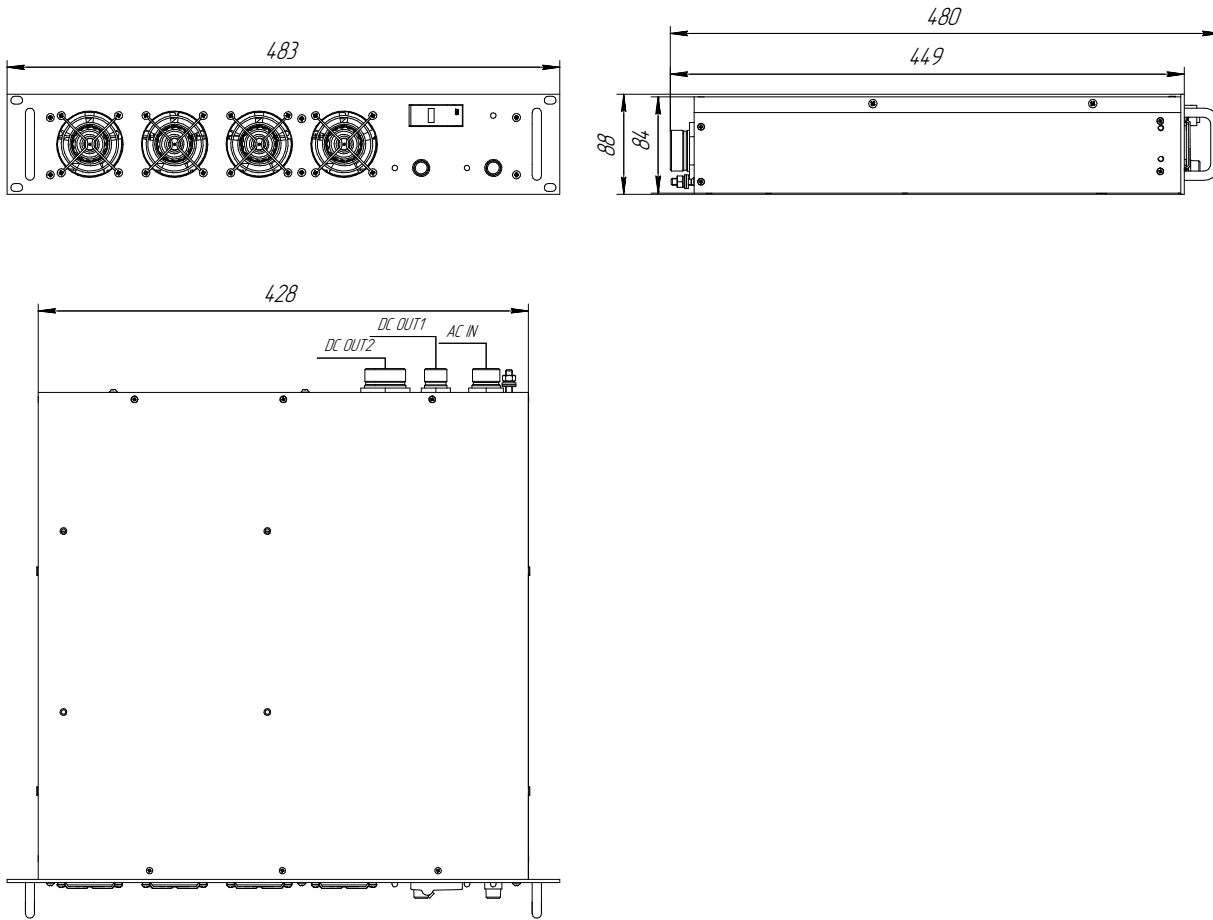
Type of protection	
Overcurrent protection	all output channels have short circuit protection
Output overvoltage protection	all output channels have overvoltage protection
Over temperature protection	all output channels disable, if module case temperature exceeds +85 °C. When temperature drops to +75 °C all output channels will automatically enable.

Basic specifications

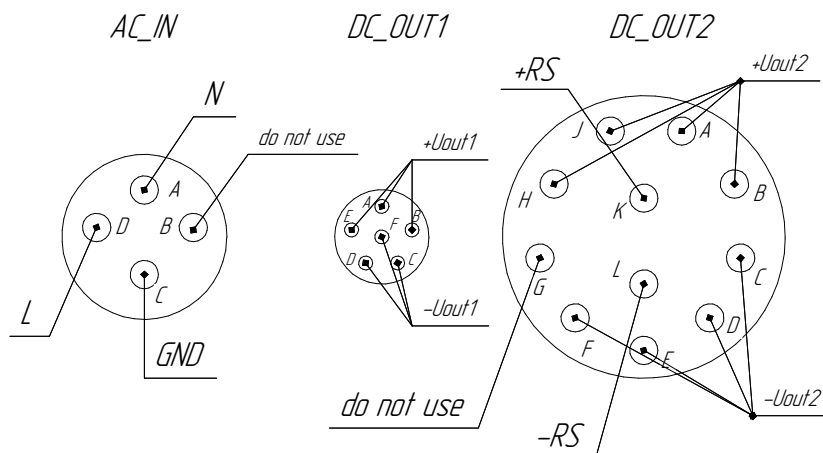
Parameter		Value
Type of connection		circular
Protection level		IP20
EMC standards		Mil-Std-461E
Environment temperature, storage		-30...+70 °C
Operating environment temperature		-10...+55 °C
Humidity		98 % / 35 °C
Isolation voltage	in /case	1500 VAC
	in /out	1500 VAC
	out /case, out/out	500 VAC
Isolation resistance @ 500 VDC		≥ 20 MOhm min
Cooling		forced air cooling
Typical MTBF		1 000 000 Hrs
Case material		metal
Dimensions, mm		88×480×428
Weight, kg		11.8
Warranty		2 year

Connector type	
Input	D38999/24WC4PN
Output	D38999/24WG11SN D38999-24WB-98PN (outputs are not isolated, output current is limited with fuses.)

Dimensions



Input and output pin details





www.kwsystems.ru info@kwsystems.ru

KW Systems, LLC is the leading Russian developer and manufacturer of AC/DC converters and power supply systems for mission critical applications.

Druzinnikov str. 1, Voronezh, 394026, Russia. +7 473 200-87-80