

AC/DC Uninterruptible power supply IBP 600 series



- Operating temperature range from -10°C to +40°C
- Accumulators assembled
- LED display
- RS-232 interface
- Set of protection with automatically return to normal operation
- Parallel operation
- Remote control

Modular uninterruptible power supplies (IBP) of IBP 600 series are designed to build redundant power supply systems for mobile and stationary facilities of industry-class and special-purpose application. IBP include integrated storage batteries and, though compact size, enable extended time of load supply from batteries (**1 hour of continuous operation with load of nominal power $P_{nominal}$ and 5 hours of tinuous operation with load of 0.2 $P_{nominal}$**).

Besides, IBP support parallel operation, modular complexing, remote management and control.

IBP 600 - 24

1 2 3

- 1 - «IBP» Series
- 2 - Maximal output power, W
- 3 - Nominal output voltages, V

Standard models with one output

Module	Output power, W	Output Voltage from Accumulator (s), VDC	Output Voltage from Main Power, VDC	Maximum Discharge current, A		Capacitance, A·h
				1 hour	5 hour	
IBP600-12	600	10...13,6	13,6	30 A	6 A	1x70
IBP600-24		20,5...27,2	27,2	21 A	4,2 A	2x42
IBP600-48		41,5...54,4	54,4	10,8 A	2,16 A	4x27
IBP600-60		52...68	68	8,6 A	1,72 A	5x27

Technical specifications for AC/DC power supplies IBP 600 *

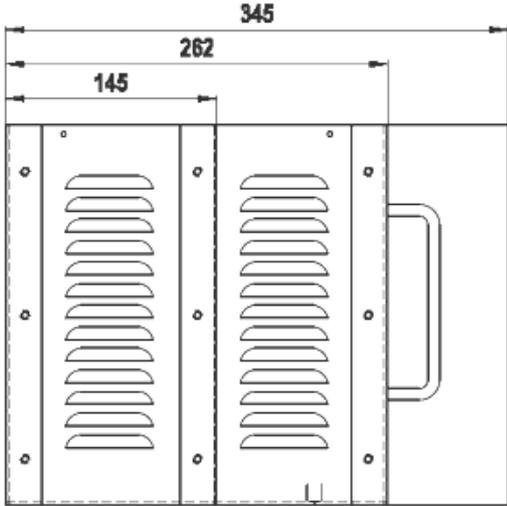
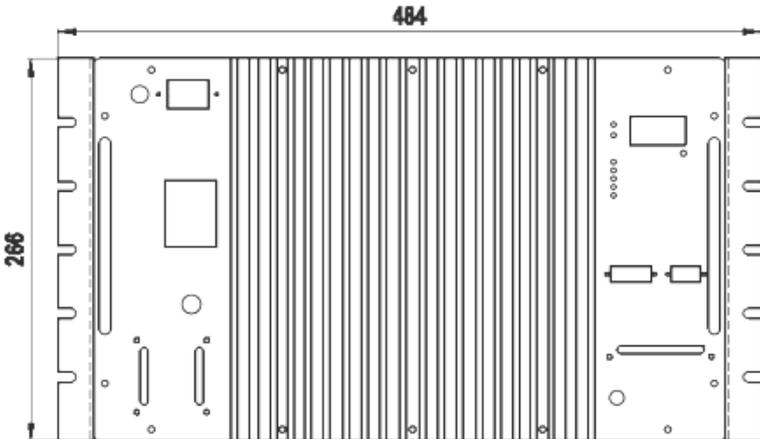
Input specifications	
Range of an input voltage	~ 220VAC, 400Hz
- The established deviation	~ 187 ÷ 242 VAC
- Transitive deviation	~ 176 ÷ 286 VAC
- Duration of a transitive deviation	1 sec.
Output specifications	
Ripple and noise (peak-to-peak)	<2% Uout
Short circuit protection**	Automatic repair in 1 minute
Over current protection**	>115% Uout
General specifications	
Environment ¹ temperature, °C	-10°C...+40°C
Case (storage) temperature, °C	-40°C ...+85°C
Efficiency	78% (typ.)
Conversion frequency	50 kHz (typ.)
Time of a charge of the battery	< 4 hour
Time of the category of the battery	> 1 hour
Withstand volatge	
Input to ground	~ 1500 VAC
Input to output	~ 1500 VAC
Output to ground	~ 500 VAC
Isolation resistance input to ground, input to output, output to ground @ 500 VDC	20 MΩ
External influencing factors stability	
Humidity	80% @ 35°C
Sine wave vibration (durability)	20...25Hz 2g
Output to ground	630...800 mm Hg
MTBF	>10 khrs @ 20°C
Cooling metod	Free air convection
Case material	Metall
Weight	
IBP 600	48 kg

¹ At an ambient temperature from -10 °C up to 0 °C the operating time from the battery can decrease according to temperature factor for the battery.

* All specifications are valid for normal climatic conditions, U_{in}.nom., I_{out}.nom., unless otherwise stated.

** Parameters are stated for the information purposes and could not be used at long term work, exciding maximum output current, at work outside of a range of working temperatures, at module's work with the output voltage over a range of adjustment.

IBP 600



Certificates

Certificate ISO 9001*
CE conformity declaration

*Management system and R&D of Alexander Electric is ISO certified

Note

Please, note that all information in this material is for reference only. Further detailed information (including: additional requirements, manuals and circuit schemes) is found on our website <http://www.aeps-group.ru>.

Contact information

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