

Promo for ABL2K SMPS



Why new power supply's offer?

Schneider aims to accelerate the medium market growth. ABL2*K are perfectly tailored to meet the specific requirements of new economies. They answer the following challenges: fit for purpose at affordable prices with no compromise on ease of use, robustness, availability...the core values supported by a worldwide leader in automation.

Application

The ABL2 power supplies range is able to meet the needs encountered in standard commercial machines and conforms to worldwide standards.

■ OEMs can integrate these power supplies in simple machines used in the following fields:

- Wind power
- Textile industry
- Packaging
- Machine tools
- Food industry

■ Panel builders can integrate them in control panels installed in the following fields:

- Electric power
- Automobile industry
- Chemical industry
- Control panel
- Infrastructure

Product offer range

ABL2*K series offer a wide power range of 7 models which from 35W to 350W

■ Phaseo Easy ABL2 power supplies are fully electronic and have a regulated switch mode. The use of electronics makes it possible to significantly improve the efficiency of these power supplies, which offer:

- Compact dimensions
- High degree of output voltage stability (precision: $\pm 1\%$)
- Proven performance (MTBF over 600K hours)
- Diagnostics via LEDs at the output terminal
- Quick and simple mounting types

Standards and Approvals:

- Ce, KC, and EAC
- EMS immunity pass, heavy industry level, criteria A
- EN 55022 EMC pass, class B
- They also comply with RoHS directives.

Reference guide:

ABL2K							
Input Voltage single-phase (47~63Hz)	Output Voltage	Power	Output current	Automatic protect reset	Voltage switching	Cooling design	Reference
100...240 VAC	24 VDC	35W	1.5A	Yes	Automatic	Free Air Convection	ABL 2REM24015K
		50W	2.2A	Yes	Automatic		ABL 2REM24020K
100W		4.5A	Yes	Automatic	ABL 2REM24045K		
150W		6.5A	Yes	Manual	ABL 2REM24065K		
100...120 VAC 200...240 VAC		200W	8.3A	Yes	Manual	ABL 2REM24085K	
		250W	10.5A	Yes	Manual	Forced air cooling by built-in DC FAN	ABL 2REM24100K
		350W	14.6A	Yes	Manual	ABL 2REM24150K	

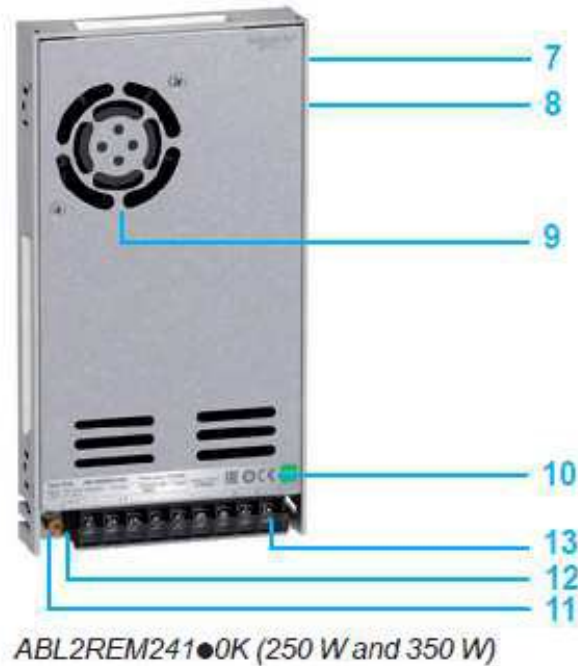
Product description



Power supplies with natural convection (ABL2REM240..K)

ABL2REM240..K switch mode power supplies, with natural convection, have the following on the front panel:

1. 100/240 V a input voltage selector (on 150 and 200 W versions only)
2. Four fixing holes for mounting with 4-corner bracket and M3 screws (on 150 and 200 W versions only)
3. Technical information
4. A green LED indicating status of the DC output voltages
5. An output voltage adjustment potentiometer ($\pm 15\%$)
6. A 4 mm² screw clamp terminal block (equipped with plastic protective cover as standard) for connection of the AC input voltage and DC output voltage



Power supplies with forced air cooling by built-in DC fan(ABL2REM241-0K)

ABL2KREM241-0K switch mode power supplies, with forced air cooling by built in DC fan, have the following on the front panel:

7. 100/240 V a input voltage selector (on 250 and 350 W versions)
8. Four fixing holes for mounting with 4-corner bracket and M4 screws
9. Built-in DC fan
10. Technical information
11. A green LED indicating status of the DC output voltages
12. An output voltage adjustment potentiometer ($\pm 15\%$)
13. A 4 mm² screw clamp terminal block (equipped with plastic protective cover as standard) for connection of the AC input voltage and DC output voltage

Customers benefits from using ABL2K, our Values

Designed to provide the customers with the values of

- Schneider brand
- Fit for purpose
- Easiness
- Robustness

“Fit for purpose”

The Phaseo Easy ABL2 range now features 7 models (from 35 to 350 W).

- The new Phaseo Easy ABL2 power supplies are more compact than previous Phaseo ABL2 versions (up to 20% smaller). They are also smaller than other models currently available on the market, thus saving space inside a cabinet for other electric appliances.
- Moreover, the high performance of these products (24 V DC stable output) means less downtime and their high-efficiency design means lower energy consumption.

“Easiness”

- 4 types of mounting are available for more flexibility:
 - direct mounting on back panel
 - mounting on rear 35 mm (1.37 in.) 5 rails
 - mounting with 4-corner bracket
 - mounting with L-type accessories
- Phaseo ABL2 power supplies can be mounted quickly and easily owing to the specially designed mounting holes in their casing which help to prevent mistakes.
- New, improved labeling and packaging help to ensure quick identification and offer a better view of the products (their appearance is printed on the box).
- For existing installations, non-Schneider power supplies can easily be replaced (same installation dimensions, same mounting hole locations)

“Robustness”

- Phaseo ABL2 power supplies have been designed to meet the majority of customer specifications:
 - They feature short circuit protection as well as overload protection with an auto-recovery mode (automatic protection reset). This means that the protection resets

itself automatically on elimination of the detected fault, which avoids the need to take any action or change a fuse.

- They are equipped with an input voltage (100-240 V a) smart switch offering increased performance and durability.
- They can operate within a wide temperature range.

Dimensions

Phaseo Easy ABL2 power supplies		Dimensions (W x H x D)	
Reference	Power (W)	mm	in.
ABL2REM24015K and 24020K	35 and 50	99 x 82 x 30	<i>3.90 x 3.23 x 1.17</i>
ABL2REM24045K	100	129 x 97 x 30	<i>5.08 x 3.78 x 1.17</i>
ABL2REM24065K	150	159 x 97 x 30	<i>6.20 x 3.78 x 1.17</i>
ABL2REM24085K	200	215 x 115 x 30	<i>4.53 x 8.46 x 1.17</i>
ABL2REM24100K and 24150K	250 and 350	215 x 115 x 30	<i>4.53 x 8.46 x 1.17</i>

Competition analysis

ABL2*K targeted main competitors:

- Meanwell NES&LRS
- Omron S8FS-C