

Variable power supplies with integral speed controller



Ref. AL40-AC



Top Ref. AL40-DC

Cable storage and sockets at rear.

The cabinet door open and close by key.



Power supplies on wheels with speed controller 2kW, 4kW, AC and/or DC according to the version selected.

Main start/stop and emergency stop controls on the front. Each voltage output is active from a Start/Stop switch. An indicator light signals their operation. A complete measuring unit displays the alternating values of consumption of the workstations. Other sources are not taken into account in these measurements.

All the outputs are protected against overloads and short circuits.

MEASURING UNIT (on AC and ACDC models)

Simple to use thanks to 6 keys on front, it displays the electrical values of the variable three-phase + fixed three-phase + AC speed controller outputs:

- current in each phase.
- phase-to-ground and composite voltage.
- frequency.
- active, reactive and apparent power in each of the phases and in three-phase.
- power factor in each phase and in three-phase.
- total harmonic distortion for current and voltage.
- measurement of active, reactive and apparent energy on 4 dials.

REMOTE CONTROL OF THE MEASURING UNIT

An RJ45 connector on the front of the cabinet enables the unit to be used remotely by means of an integral web page which displays the electrical values measured.

Dims: AL20-DC / AL20-AC / AL40-DC / AL40-AC : 500 x 500 x 980mm. Weight 90kg.

Dims: AL20-ACDC / AL40-ACDC : 500 x 800 x 980mm. Weight 175kg.

POWER 4000VA

Ref.	VARIABLE BY AUTOTRANSFORMER				3-PHASE 3x400VAC measuring by CM	SPEED CONTROLLER DC 3KW	SPEED CONTROLLER AC 4KW measuring by CM	3 SOCKETS 230V 2P+T	MEASURING UNIT CM
	DC 0-270VDC-16A	3-PHASE 0-450VAC-8A measuring by CM	DC AUXILIARY 0-250VDC-2.5A	AC AUXILIARY 0-250VAC-2.5A					
AL40-DC	✓		✓	✓		✓		✓	
AL40-AC		✓	✓	✓	✓		✓	✓	✓
AL40-ACDC	✓	✓	✓	✓	✓	✓	✓	✓	✓

POWER 2000VA

Ref.	VARIABLE BY AUTOTRANSFORMER				3-PHASE 3x400VAC measuring by CM	SPEED CONTROLLER DC 2KW	SPEED CONTROLLER AC 2KW measuring by CM	3 SOCKETS 230V 2P+T	MEASURING UNIT CM
	DC 0-270VDC-8A	3-PHASE 0-450VAC-5A measuring by CM	DC AUXILIARY 0-250VDC-2.5A	AC AUXILIARY 0-250VAC-2.5A					
AL20-DC	✓		✓	✓		✓		✓	
AL20-AC		✓	✓	✓	✓		✓	✓	✓
AL20-ACDC	✓	✓	✓	✓	✓	✓	✓	✓	✓

Variable DC 0-270VDC

With isolating transformer, to standard NFC 61558.
Rectification is generously oversized (ripple factor 4%).
Output on 4mm terminal valid provided the autotransformer is at 0 voltage.
Viewing by voltmeter and ammeter.

Variable three-phase 0-450VAC

The proposed voltage is 0-430V between phases (450V for 4000VA model).
Output on 4mm terminal valid provided the autotransformer is at 0 voltage.

Auxiliary 0-250VDC

With isolating transformer, to standard NFC 61558.
Viewing by voltmeter and ammeter.
Double alternating rectification, the ripple factor of which varies with the charge.

Auxiliary 0-250VDC

Viewing by voltmeter and ammeter.

3-phase 3x400V on 4 terminals.

DC speed controller

Operation 1 quadrant, from 1.5 to 3kW, outputs for armature 180V-16A and field system 210V-3A on 4mm terminals.

Adjustment of the rotation speed setting by potentiometer on the front.

AC speed controller

Operation 1 quadrant, 2 or 4kW outputs 3x400VAC on 4mm terminals.

Adjustment of the rotation speed setting by potentiometer on the front.

Configuration with SOMOVE software supplied.