



Antares

single-phase
15-135kVA



Standard features

Selectable output voltage (dip-switch)*	220-230-240V
Frequency	50/60Hz $\pm 5\%$
Admitted load variation	Up to 100%
Cooling	Natural ventilation (aided with fans)
Ambient temperature	-25/+45°C
Storage temperature	-25/+60°C
Max relative humidity	95%
Admitted overload	200% 2 min.
Harmonic distortion	None introduced
Colour	RAL 7035
Protection degree	IP21
Instrumentation	Output digital multimeter
Installation	Indoor
Overvoltage protection	Class II output surge arrestor

* The output voltage can be adjusted by choosing **one** of the indicated values.
Such choice sets the new nominal value as a reference for all the stabiliser parameters.

Accessories

Interrupting devices
Load protection against over/undervoltage
Manual by-pass line
Input isolating transformer
SPD surge arrestor
EMI/RFI filters
IP54 protection degree for indoor and outdoor installation

Rating in relation to the input variation percentage

$\pm 15\%$	$\pm 20\%$	$\pm 25\%$	$\pm 30\%$	+15%/-25%	+15%/-35%	+15%/-45%
35	25	20	15	25	20	15
45	35	25	20	35	25	20
60	45	35	25	45	35	25
80	60	45	35	60	45	35
100	80	60	45	80	60	45
135	100	80	60	100	80	60

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Antares stabilisers are available for different ranges of input voltage fluctuation.

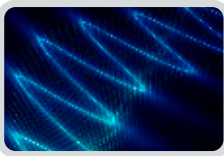
Standard models offer a **double input connection** so that with the same unit two different input variations ($\pm 1.5\%$ / $\pm 20\%$ or $\pm 25\%$ / $\pm 30\%$) can be dealt with.

An **automatic circuit breaker** is provided on the regulation circuit **to protect** against overload and short circuit on the voltage regulator whilst the auxiliary circuit is protected by **fuses**.

The instrumentation consists of a **digital multimeter** installed on the cabinet front panel. The alarms (min/max output voltage, gearmotor lock, internal overheating, regulator overload) are recognizable by means of LEDs on the control card.

The control logic is based on a digital **microprocessor**.

All Antares stabilisers are fitted with the **same control card**, thus simplifying maintenance operations and spare parts storage.



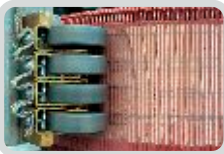
Wide range

- symmetrical: **$\pm 15\%$, $\pm 20\%$, $\pm 25\%$, $\pm 30\%$** (other on request)
 - asymmetrical: **$+15\%/-25\%$, $+15\%/-35\%$, $+15\%/-45\%$** (other on request)
- Output voltage accuracy: **$\pm 0.5\%$** .



Technology

Control logic based on digital **microprocessor** operating with a software specifically developed.



Long life

System voltage regulator with **rollers** (without brushes, which are subject to heavy wear & tear).



Protection

The voltage regulator is protected by a **circuit breaker** with magneto thermal release. The auxiliary circuit is protected by **fuses**.
Overvoltage protection: Class II output **surge arrestor**.



Instrumentation

The digital measuring instrumentation is installed on the front panel and consist of an output **digital multimeter**.

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Type	Input voltage variation range	Rating	Input voltage range	Maximum input current	Output voltage $\pm 0.5\%$	Output current	Efficiency	Speed regulation	Cabinet	Weight
	[%]	[kVA]	[V]	[A]	[V]	[A]	[%]	[ms/V]	Type	[kg]

Input voltage variation range $\pm 20\%/\pm 15\%$ (the values listed in the table are referred to 230V nominal voltage)

25-20	± 20	25	184-276	136		109		12		
35-15	± 15	35	195-265	179	230	152	>98	16	23	180
35-20	± 20	35	184-276	190		152		12		
45-15	± 15	45	195-265	230	230	196	>98	16	31	200
45-20	± 20	45	184-276	245		196		12		
60-15	± 15	60	195-265	307	230	261	>98	16	40	320
60-20	± 20	60	184-276	326		261		12		
80-15	± 15	80	195-265	409	230	348	>98	16	40	390
80-20	± 20	80	184-276	435		348		12		
100-15	± 15	100	195-265	511	230	435	>98	16	51	550
100-20	± 20	100	184-276	544		435		12		
135-15	± 15	135	195-265	690	230	587	>98	16	51	650

Input voltage variation range $\pm 30\%/\pm 25\%$ (the values listed in the table are referred to 230V nominal voltage)

15-30	± 30	15	161-300	93		65		8		
20-25	± 25	20	172-288	116	230	87	>98	10	23	180
20-30	± 30	20	161-300	124		87		8		
25-25	± 25	25	172-288	145	230	109	>98	10	31	200
25-30	± 30	25	161-300	156		109		8		
35-25	± 25	35	172-288	203	230	152	>98	10	40	320
35-30	± 30	35	161-300	217		152		8		
45-25	± 25	45	172-288	261	230	196	>98	10	40	390
45-30	± 30	45	161-300	279		196		8		
60-25	± 25	60	172-288	348	230	261	>98	10	51	550
60-30	± 30	60	161-300	373		261		8		
80-25	± 25	80	172-288	464	230	348	>98	10	51	650

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Type	Input voltage variation range	Rating	Input voltage range	Maximum input current	Output voltage $\pm 0.5\%$	Output current	Efficiency	Speed regulation	Cabinet	Weight
	[%]	[kVA]	[V]	[A]	[V]	[A]	[%]	[ms/V]	Type	[kg]

Input voltage variation range **+15%/-25%** (the values listed in the table are referred to 230V nominal voltage)

25-15/25	+15/-25	25	172-265	145	230	109	>98	14	23	190
35-15/25	+15/-25	35	172-265	203	230	152	>98	14	31	210
45-15/25	+15/-25	45	172-265	261	230	196	>98	14	40	330
60-15/25	+15/-25	60	172-265	348	230	261	>98	14	40	400
80-15/25	+15/-25	80	172-265	464	230	348	>98	14	51	560
100-15/25	+15/-25	100	172-265	580	230	435	>98	14	51	660

Input voltage variation range **+15%/-35%** (the values listed in the table are referred to 230V nominal voltage)

20-15/35	+15/-35	20	150-265	134	230	87	>98	11	23	200
25-15/35	+15/-35	25	150-265	167	230	109	>98	11	31	220
35-15/35	+15/-35	35	150-265	234	230	152	>98	11	40	340
45-15/35	+15/-35	45	150-265	301	230	196	>98	11	40	410
60-15/35	+15/-35	60	150-265	401	230	261	>98	11	51	570
80-15/35	+15/-35	80	150-265	535	230	348	>98	11	51	670

Input voltage variation range **+15%/-45%** (the values listed in the table are referred to 230V nominal voltage)

15-15/45	+15/-45	15	126-265	118	230	65	>98	9	23	210
20-15/45	+15/-45	20	126-265	158	230	87	>98	9	31	230
25-15/45	+15/-45	25	126-265	198	230	109	>98	9	40	350
35-15/45	+15/-45	35	126-265	276	230	152	>98	9	40	420
45-15/45	+15/-45	45	126-265	356	230	196	>98	9	51	580
60-15/45	+15/-45	60	126-265	474	230	261	>98	9	51	680