

Standard features

Selectable output voltage (dip-switch)*	220-230-240V
Output voltage accuracy	±0,5%
Frequency	50Hz ±5% or 60Hz ±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% (non condensing)
Admitted overload	200% 2min.
Harmonic distortion	None introduced
Colour	RAL 7035
Protection degree	IP 21
Instrumentation	Output digital multimeter
Installation	Indoor
Overvoltage protection	Output class II surge arrestors

* 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.



Ratings in relation to the input variation percentage

±15%	±20%	±25%	±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

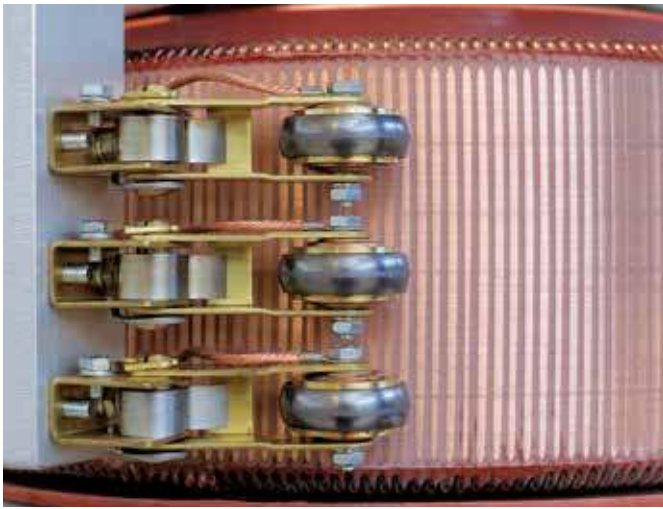
Accessories

Interrupting devices
Load protection against over/undervoltage
Manual by-pass line
Input isolating transformer
SPD surge arrestor
EMI/RFI filters
Up to IP55 protection degree for indoor and outdoor installation



All ORTEA equipments are designed and built in compliance with the Low Voltage and Electromagnetic Compatibility European Directives with regard to the CE marking requirements. ORTEA products are built with suitable quality components and that the manufacturing process is constantly verified in accordance with the Quality Control Plans which the Company applies in compliance with the ISO 9001 Standards. The commitment towards environmental issues and safety at work issues is guaranteed by the certification of the Management System according to the ISO14001 and OHSAS18001 Standards. In order to obtain better performance, the products described in the present document can be altered by the Company at any date and without prior notice. Technical data and descriptions do not hold therefore any contractual value.

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 for Ortea.



LONG LIFE

Ortea 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 arrester.



INSTRUMENTATION

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

Type	Input variation	Rated power	Input voltage range	Max input current	Output voltage	Rated output current	Eff.	Adjus. speed	Cabinet type	Cabinet dimensions WxDxH	Weight
	[%]	[kVA]	[V]	[A]	[V]	[A]	[%]	[ms/V]		[mm]	[kg]

Antares ±20%/±15%

25-20	±20	25	184-276	136	230	109	>98	12	23	410x680x1200	180
35-15	±15	35	195-265	179	230	152	>98	16	23	410x680x1200	180
35-20	±20	35	184-276	190	230	152	>98	12	31	600x600x1600	200
45-15	±15	45	195-265	231	230	196	>98	16	31	600x600x1600	200
45-20	±20	45	184-276	245	230	196	>98	12	40	600x800x1600	320
60-15	±15	60	195-265	308	230	261	>98	16	40	600x800x1600	320
60-20	±20	60	184-276	326	230	261	>98	12	40	600x800x1600	390
80-15	±15	80	195-265	410	230	348	>98	16	40	600x800x1600	390
80-20	±20	80	184-276	435	230	348	>98	12	51	600x800x1800	550
100-15	±15	100	195-265	513	230	435	>98	16	51	600x800x1800	550
100-20	±20	100	184-276	543	230	435	>98	12	51	600x800x1800	650
135-15	±15	135	195-265	692	230	587	>98	16	51	600x800x1800	650

The values listed in the table are referred to 230V nominal voltage

Antares ±30%/±25%

15-30	±30	15	161-300	93	230	65	>98	8	23	410x680x1200	180
20-25	±25	20	172-288	116	230	87	>98	10	23	410x680x1200	180
20-30	±30	20	161-300	124	230	87	>98	8	31	600x600x1600	200
25-25	±25	25	172-288	145	230	109	>98	10	31	600x600x1600	200
25-30	±30	25	161-300	155	230	109	>98	8	40	600x800x1600	320
35-25	±25	35	172-288	203	230	152	>98	10	40	600x800x1600	320
35-30	±30	35	161-300	217	230	152	>98	8	40	600x800x1600	390
45-25	±25	45	172-288	262	230	196	>98	10	40	600x800x1600	390
45-30	±30	45	161-300	280	230	196	>98	8	51	600x800x1800	550
60-25	±25	60	172-288	349	230	261	>98	10	51	600x800x1800	550
60-30	±30	60	161-300	373	230	261	>98	8	51	600x800x1800	650
80-25	±25	80	172-288	465	230	348	>98	10	51	600x800x1800	650

The values listed in the table are referred to 230V nominal voltage

Type	Input variation	Rated power	Input voltage range	Max input current	Output voltage	Rated output current	Eff.	Adjus. speed	Cabinet type	Cabinet dimensions WxDxH	Weight
	[%]	[kVA]	[V]	[A]	[V]	[A]	[%]	[ms/V]		[mm]	[kg]

Antares +15%/-25%

25-15/25	+15/-25	25	172-265	145	230	109	>98	14	23	410x680x1200	190
35-15/25	+15/-25	35	172-265	203	230	152	>98	14	31	600x600x1600	210
45-15/25	+15/-25	45	172-265	262	230	196	>98	14	40	600x800x1600	330
60-15/25	+15/-25	60	172-265	349	230	261	>98	14	40	600x800x1600	400
80-15/25	+15/-25	80	172-265	465	230	348	>98	14	51	600x800x1800	560
100-15/25	+15/-25	100	172-265	581	230	435	>98	14	51	600x800x1800	660

The values listed in the table are referred to 230V nominal voltage

Antares +15%/-35%

20-15/35	+15/-35	20	150-265	133	230	87	>98	11	23	410x680x1200	200
25-15/35	+15/-35	25	150-265	167	230	109	>98	11	31	600x600x1600	220
35-15/35	+15/-35	35	150-265	233	230	152	>98	11	40	600x800x1600	340
45-15/35	+15/-35	45	150-265	300	230	196	>98	11	40	600x800x1600	410
60-15/35	+15/-35	60	150-265	400	230	261	>98	11	51	600x800x1800	570
80-15/35	+15/-35	80	150-265	533	230	348	>98	11	51	600x800x1800	670

The values listed in the table are referred to 230V nominal voltage

Antares +15%/-45%

15-15/45	+15/-45	15	126-265	119	230	65	>98	9	23	410x680x1200	210
20-15/45	+15/-45	20	126-265	159	230	87	>98	9	31	600x600x1600	230
25-15/45	+15/-45	25	126-265	198	230	109	>98	9	40	600x800x1600	350
35-15/45	+15/-45	35	126-265	278	230	152	>98	9	40	600x800x1600	420
45-15/45	+15/-45	45	126-265	357	230	196	>98	9	51	600x800x1800	580
60-15/45	+15/-45	60	126-265	476	230	261	>98	9	51	600x800x1800	680

The values listed in the table are referred to 230V nominal voltage