

Standard features



Selectable output voltage (dip switch)*	220-230-240V
Frequency	50Hz ±5% or 60Hz ±5%
Output voltage accuracy	±0,5%
Admitted load variation	Up to 100%
Cooling	Natural ventilation
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 voltmetre
Installation	Indoor

* 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%
1	0.7	0.5	0.3	0.7	0.5	0.3
2.5	2	1.5	1	2	1.5	1
5	4	3	2	4	3	2
7	5	4	3	5	4	3
10	7	5	4	7	5	4
15	10	7	5	10	7	5
20	15	10	7	15	10	7
25	20	15	10	20	15	10

Accessories

Interrupting devices
Load protection against over/undervoltage
Manual by-pass line
Input isolating transformer
SPD surge arrester
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.

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

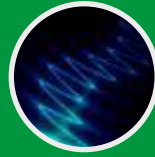
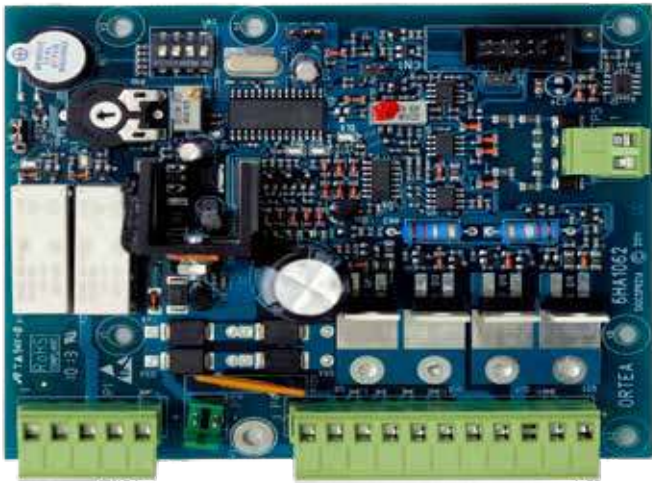
Standard models offer a double input connection so that with the same unit two different input variations ($\pm 15/\pm 20\%$ or $\pm 25/\pm 30\%$) can be dealt with.

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

A digital display on the front panel shows the output voltage and the alarms (min/max output voltage, gearmotor lock, internal overheating, regulator overload).

The control logic is based on a digital microprocessor.

All Vega 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.



INSTRUMENTATION

A digital display providing with output voltage and alarm readings is fitted on the front panel.

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]

Vega ±20%/±15%

0.7-20	±20	0,7	184-276	3,8	230	3	>96	12	12	300x460x300	16
1-15	±15	1	195-265	5	230	4,3	>96	16	12	300x460x300	16
2-20	±20	2	184-276	11	230	8,7	>96	12	12	300x460x300	24
2.5-15	±15	2,5	195-265	13	230	11	>96	16	12	300x460x300	24
4-20	±20	4	184-276	22	230	17	>96	12	12	300x460x300	28
5-15	±15	5	195-265	26	230	22	>96	16	12	300x460x300	28
5-20	±20	5	184-276	27	230	22	>98	12	13	300x560x300	41
7-15	±15	7	195-265	36	230	30	>98	16	13	300x560x300	41
7-20	±20	7	184-276	38	230	30	>98	12	13	300x560x300	47
10-15	±15	10	195-265	51	230	43	>98	16	13	300x560x300	47
10-20	±20	10	184-276	54	230	43	>98	12	13	300x560x300	55
15-15	±15	15	195-265	77	230	65	>98	16	13	300x560x300	55
15-20	±20	15	184-276	82	230	65	>98	12	22	410x530x1200	125
20-15	±15	20	195-265	103	230	87	>98	16	22	410x530x1200	125
20-20	±20	20	184-276	109	230	87	>98	12	22	410x530x1200	145
25-15	±15	25	195-265	128	230	109	>98	16	22	410x530x1200	145

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

Vega ±30%/±25%

0.3-30	±30	0,3	161-300	1,9	230	1,3	>96	8	12	300x460x300	16
0.5-25	±25	0,5	172-288	2,9	230	2,2	>96	10	12	300x460x300	16
1-30	±30	1	161-300	6,2	230	4,3	>96	8	12	300x460x300	24
1.5-25	±25	1,5	172-288	8,7	230	6,5	>96	10	12	300x460x300	24
2-30	±30	2	161-300	12	230	8,7	>96	8	12	300x460x300	28
3-25	±25	3	172-288	17	230	13	>96	10	12	300x460x300	28
3-30	±30	3	161-300	19	230	13	>98	8	13	300x560x300	41
4-25	±25	4	172-288	23	230	17	>98	10	13	300x560x300	41
4-30	±30	4	161-300	25	230	17	>98	8	13	300x560x300	47
5-25	±25	5	172-288	29	230	22	>98	10	13	300x560x300	47
5-30	±30	5	161-300	31	230	22	>98	8	13	300x560x300	56
7-25	±25	7	172-288	41	230	30	>98	10	13	300x560x300	56
7-30	±30	7	161-300	43	230	30	>98	8	22	410x530x1200	125
10-25	±25	10	172-288	58	230	43	>98	10	22	410x530x1200	125
10-30	±30	10	161-300	62	230	43	>98	8	22	410x530x1200	145
15-25	±25	15	172-288	87	230	65	>98	10	22	410x530x1200	145

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]

Vega +15%/-25%											
0.7-15/25	+15/-25	0,7	172-265	4	230	3	>96	12	12	300x460x300	17
2-15/25	+15/-25	2	172-265	12	230	8,7	>96	12	12	300x460x300	25
4-15/25	+15/-25	4	172-265	23	230	17	>96	12	12	300x460x300	29
5-15/25	+15/-25	5	172-265	29	230	22	>98	12	13	300x560x300	42
7-15/25	+15/-25	7	172-265	41	230	30	>98	12	13	300x560x300	48
10-15/25	+15/-25	10	172-265	58	230	43	>98	12	13	300x560x300	56
15-15/25	+15/-25	15	172-265	87	230	65	>98	12	22	410x530x1200	125
20-15/25	+15/-25	20	172-265	116	230	87	>98	12	22	410x530x1200	145

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

Vega +15%/-35%											
0.5-15/35	+15/-35	0,5	150-265	3,4	230	2,2	>96	10	12	300x460x300	17
1.5-15/35	+15/-35	1,5	150-265	10	230	6,5	>96	10	12	300x460x300	25
3-15/35	+15/-35	3	150-265	20	230	13	>96	10	12	300x460x300	29
4-15/35	+15/-35	4	150-265	27	230	17	>98	10	13	300x560x300	42
5-15/35	+15/-35	5	150-265	33	230	22	>98	10	13	300x560x300	48
7-15/35	+15/-35	7	150-265	47	230	30	>98	10	13	300x560x300	56
10-15/35	+15/-35	10	150-265	67	230	43	>98	10	22	410x530x1200	125
15-15/35	+15/-35	15	150-265	100	230	65	>98	10	22	410x530x1200	145

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

Vega +15%/-45%											
0.3-15/45	+15/-45	0,3	126-265	2,4	230	1,3	>96	8	12	300x460x300	17
1-15/45	+15/-45	1	126-265	7,8	230	4,3	>96	8	12	300x460x300	25
2-15/45	+15/-45	2	126-265	16	230	8,7	>96	8	12	300x460x300	29
3-15/45	+15/-45	3	126-265	24	230	13	>98	8	13	300x560x300	42
4-15/45	+15/-45	4	126-265	32	230	17	>98	8	13	300x560x300	48
5-15/45	+15/-45	5	126-265	40	230	22	>98	8	13	300x560x300	56
7-15/45	+15/-45	7	126-265	56	230	30	>98	8	22	410x530x1200	125
10-15/45	+15/-45	10	126-265	79	230	43	>98	8	22	410x530x1200	145

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