



# Gemini / Gemini Plus

single-phase  
**4-40kVA**



Standard features	Gemini	Gemini Plus
<b>Voltage regulation</b>	IGBT control	
<b>Selectable output voltage*</b>	220-230-240V	
<b>Output voltage accuracy</b>	±1%	
<b>Frequency</b>	50-60Hz ±5%	
<b>Admitted load variation</b>	Up to 100%	
<b>Cooling</b>	Forced ventilation	
<b>Ambient temperature</b>	-25/+45°C	
<b>Storage temperature</b>	-25/+60°C	
<b>Max relative humidity</b>	95%	
<b>Admitted overload</b>	150% 2 sec.	
<b>Harmonic distortion</b>	None introduced	
<b>Colour</b>	RAL 9005	
<b>Protection degree</b>	IP21	
<b>Instrumentation</b>	Output digital voltmeter	
<b>Installation</b>	Indoor	
<b>Overvoltage protection</b>	Output class II surge arrestor	
<b>Protection</b>	<ul style="list-style-type: none"> <li>- EMI/RFI filters</li> <li>- Automatic by-pass protection</li> </ul>	<ul style="list-style-type: none"> <li>- EMI/RFI filters</li> <li>- Input automatic circuit breaker</li> <li>- Automatic by-pass protection</li> <li>- Manual maintenance by-pass</li> </ul>

\* 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.



### Rating in relation to the input variation percentage

±15%	±20%	±25%	±30%
<b>10</b>	7	5	4
<b>15</b>	10	7	5
<b>20</b>	15	10	7
<b>30</b>	20	15	10
<b>40</b>	30	20	15

### Accessories

<b>Interrupting devices</b>
<b>Load protection against over/undervoltage</b>
<b>Input isolating transformer</b>
<b>IP54 protection degree for indoor and outdoor installation</b>

All ORTEA stabilisers 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 9001:2015 Standards. The commitment towards environmental issues and safety at work issues is guaranteed by the certification of the Management System according to the ISO14001:2015 and OHSAS18001:2007 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.

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Type	Input voltage variation range	Rating	Input voltage range	Maximum input current	Output voltage $\pm 1\%$	Output current	Efficiency	Correction time	Cabinet	Weight
	[%]	[kVA]	[V]	[A]	[V]	[A]	[%]		Type	[kg]

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

<b>ES7-20</b>	$\pm 20$	7	184-276	38	230	30	>98	half-cycle	13	30
<b>ES10-15</b>	$\pm 15$	10	195-265	51	230	43	>98	half-cycle	13	35
<b>ES10-20</b>	$\pm 20$	10	184-276	54	230	43	>98	half-cycle	13	35
<b>ES15-15</b>	$\pm 15$	15	195-265	76	230	65	>98	half-cycle	22	50
<b>ES15-20</b>	$\pm 20$	15	184-276	81	230	65	>98	half-cycle	22	50
<b>ES20-15</b>	$\pm 15$	20	195-265	102	230	87	>98	half-cycle	23	110
<b>ES20-20</b>	$\pm 20$	20	184-276	109	230	87	>98	half-cycle	23	110
<b>ES30-15</b>	$\pm 15$	30	195-265	153	230	130	>98	half-cycle	23	125
<b>ES30-20</b>	$\pm 20$	30	184-276	163	230	130	>98	half-cycle	23	125
<b>ES40-15</b>	$\pm 15$	40	195-265	205	230	174	>98	half-cycle	23	125

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

<b>ES4-30</b>	$\pm 30$	4	161-300	25	230	17	>98	half-cycle	13	30
<b>ES5-25</b>	$\pm 25$	5	172-288	29	230	22	>98	half-cycle	13	35
<b>ES5-30</b>	$\pm 30$	5	161-300	31	230	22	>98	half-cycle	13	35
<b>ES7-25</b>	$\pm 25$	7	172-288	40	230	30	>98	half-cycle	22	50
<b>ES7-30</b>	$\pm 30$	7	161-300	44	230	30	>98	half-cycle	22	50
<b>ES10-25</b>	$\pm 25$	10	172-288	57	230	43	>98	half-cycle	23	110
<b>ES10-30</b>	$\pm 30$	10	161-300	62	230	43	>98	half-cycle	23	110
<b>ES15-25</b>	$\pm 25$	15	172-288	87	230	65	>98	half-cycle	23	125
<b>ES15-30</b>	$\pm 30$	15	161-300	93	230	65	>98	half-cycle	23	125
<b>ES20-25</b>	$\pm 25$	20	172-288	116	230	87	>98	half-cycle	23	125

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

<b>ESP7-20</b>	$\pm 20$	7	184-276	38	230	30	>98	half-cycle	13	32
<b>ESP10-15</b>	$\pm 15$	10	195-265	51	230	43	>98	half-cycle	13	40
<b>ESP10-20</b>	$\pm 20$	10	184-276	54	230	43	>98	half-cycle	13	40
<b>ESP15-15</b>	$\pm 15$	15	195-265	76	230	65	>98	half-cycle	22	57
<b>ESP15-20</b>	$\pm 20$	15	184-276	81	230	65	>98	half-cycle	22	57
<b>ESP20-15</b>	$\pm 15$	20	195-265	102	230	87	>98	half-cycle	23	120
<b>ESP20-20</b>	$\pm 20$	20	184-276	109	230	87	>98	half-cycle	23	120
<b>ESP30-15</b>	$\pm 15$	30	195-265	153	230	130	>98	half-cycle	23	135
<b>ESP30-20</b>	$\pm 20$	30	184-276	163	230	130	>98	half-cycle	23	135
<b>ESP40-15</b>	$\pm 15$	40	195-265	205	230	174	>98	half-cycle	23	135

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

<b>ESP4-30</b>	$\pm 30$	4	161-300	25	230	17	>98	half-cycle	13	32
<b>ESP5-25</b>	$\pm 25$	5	172-288	29	230	22	>98	half-cycle	13	40
<b>ESP5-30</b>	$\pm 30$	5	161-300	31	230	22	>98	half-cycle	13	40
<b>ESP7-25</b>	$\pm 25$	7	172-288	40	230	30	>98	half-cycle	22	57
<b>ESP7-30</b>	$\pm 30$	7	161-300	44	230	30	>98	half-cycle	22	57
<b>ESP10-25</b>	$\pm 25$	10	172-288	57	230	43	>98	half-cycle	23	120
<b>ESP10-30</b>	$\pm 30$	10	161-300	62	230	43	>98	half-cycle	23	120
<b>ESP15-25</b>	$\pm 25$	15	172-288	87	230	65	>98	half-cycle	23	135
<b>ESP15-30</b>	$\pm 30$	15	161-300	93	230	65	>98	half-cycle	23	135
<b>ESP20-25</b>	$\pm 25$	20	172-288	116	230	87	>98	half-cycle	23	135