



Aquarius / Aquarius Plus three-phase 10-120kVA



| Standard features | Aquarius | Aquarius Plus |
|-----------------------------------|---|--|
| Voltage regulation | IGBT control | |
| Voltage stabilisation | Independent phase control | |
| Selectable output voltage* | 220-230-240V (L-N) / 380-400-415V (L-L) | |
| Output voltage accuracy | ±1% | |
| Frequency | 50-60Hz ±5% | |
| Admitted load variation | Up to 100% | |
| Cooling | Forced ventilation | |
| Ambient temperature | -25/+45°C | |
| Storage temperature | -25/+60°C | |
| Max relative humidity | 95% | |
| Admitted overload | 150% 2 sec. | |
| Harmonic distortion | None introduced | |
| Colour | RAL 9005 | |
| Protection degree | IP21 | |
| Instrumentation | Output digital multimeter | |
| Installation | Indoor | |
| Overvoltage protection | Output class II surge arrestor | |
| Protection | <ul style="list-style-type: none"> - EMI/RFI filters - Automatic by-pass protection | <ul style="list-style-type: none"> - EMI/RFI filters - Input automatic circuit breaker - Automatic by-pass protection - Manual maintenance by-pass |

* 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% |
|------------|------|------|------|------|
| 30 | | 20 | 15 | 10 |
| 45 | | 30 | 20 | 15 |
| 60 | | 45 | 30 | 20 |
| 90 | | 60 | 45 | 30 |
| 120 | | 90 | 60 | 45 |

Accessories

| |
|---|
| Interrupting devices |
| Load protection against over/undervoltage |
| Input isolating transformer |
| Integrated automatic power factor correction system |
| Neutral point reactor |
| IP54 protection degree for indoor and outdoor installation |

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.

Aquarius / Aquarius Plus

three-phase
10-120kVA

| 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] |

Aquarius - Input voltage variation range $\pm 20\%/\pm 15\%$ (the values listed in the table are referred to 400V nominal voltage)

| | | | | | | | | | | |
|-----------------|----------|-----|---------|-----|-----|-----|-----|------------|----|-----|
| ET20-20 | ± 20 | 20 | 320-480 | 36 | | 29 | >98 | half-cycle | 23 | 120 |
| ET30-15 | ± 15 | 30 | 340-460 | 51 | 400 | 43 | >98 | half-cycle | 23 | 160 |
| ET30-20 | ± 20 | 30 | 320-480 | 54 | 400 | 43 | >98 | half-cycle | 23 | 200 |
| ET45-15 | ± 15 | 45 | 340-460 | 76 | 400 | 65 | >98 | half-cycle | 31 | 370 |
| ET45-20 | ± 20 | 45 | 320-480 | 81 | 400 | 65 | >98 | half-cycle | 31 | 390 |
| ET60-15 | ± 15 | 60 | 340-460 | 102 | 400 | 87 | >98 | half-cycle | 35 | 430 |
| ET60-20 | ± 20 | 60 | 320-480 | 109 | 400 | 87 | >98 | half-cycle | 35 | 430 |
| ET90-15 | ± 15 | 90 | 340-460 | 153 | 400 | 130 | >98 | half-cycle | 35 | 430 |
| ET90-20 | ± 20 | 90 | 320-480 | 162 | 400 | 130 | >98 | half-cycle | 35 | 430 |
| ET120-15 | ± 15 | 120 | 340-460 | 204 | 400 | 173 | >98 | half-cycle | 35 | 430 |

Aquarius - Input voltage variation range $\pm 30\%/\pm 25\%$ (the values listed in the table are referred to 400V nominal voltage)

| | | | | | | | | | | |
|----------------|----------|----|---------|-----|-----|----|-----|------------|----|-----|
| ET10-30 | ± 30 | 10 | 280-520 | 20 | 400 | 14 | >98 | half-cycle | 23 | 120 |
| ET15-25 | ± 25 | 15 | 300-500 | 29 | 400 | 22 | >98 | half-cycle | 23 | 160 |
| ET15-30 | ± 30 | 15 | 280-520 | 31 | 400 | 22 | >98 | half-cycle | 23 | 200 |
| ET20-25 | ± 25 | 20 | 300-500 | 39 | 400 | 29 | >98 | half-cycle | 31 | 370 |
| ET20-30 | ± 30 | 20 | 280-520 | 41 | 400 | 29 | >98 | half-cycle | 31 | 390 |
| ET30-25 | ± 25 | 30 | 300-500 | 57 | 400 | 43 | >98 | half-cycle | 35 | 430 |
| ET30-30 | ± 30 | 30 | 280-520 | 61 | 400 | 43 | >98 | half-cycle | 35 | 430 |
| ET45-25 | ± 25 | 45 | 300-500 | 86 | 400 | 65 | >98 | half-cycle | 35 | 430 |
| ET45-30 | ± 30 | 45 | 280-520 | 93 | 400 | 65 | >98 | half-cycle | 35 | 430 |
| ET60-25 | ± 25 | 60 | 300-500 | 116 | 400 | 87 | >98 | half-cycle | 35 | 430 |

Aquarius Plus - Input voltage variation range $\pm 20\%/\pm 15\%$ (the values listed in the table are referred to 400V nominal voltage)

| | | | | | | | | | | |
|------------------|----------|-----|---------|-----|-----|-----|-----|------------|----|-----|
| ETP20-20 | ± 20 | 20 | 320-480 | 36 | 400 | 29 | >98 | half-cycle | 23 | 130 |
| ETP30-15 | ± 15 | 30 | 340-460 | 51 | 400 | 43 | >98 | half-cycle | 23 | 170 |
| ETP30-20 | ± 20 | 30 | 320-480 | 54 | 400 | 43 | >98 | half-cycle | 23 | 220 |
| ETP45-15 | ± 15 | 45 | 340-460 | 76 | 400 | 65 | >98 | half-cycle | 31 | 410 |
| ETP45-20 | ± 20 | 45 | 320-480 | 81 | 400 | 65 | >98 | half-cycle | 31 | 430 |
| ETP60-15 | ± 15 | 60 | 340-460 | 102 | 400 | 87 | >98 | half-cycle | 35 | 430 |
| ETP60-20 | ± 20 | 60 | 320-480 | 109 | 400 | 87 | >98 | half-cycle | 35 | 430 |
| ETP90-15 | ± 15 | 90 | 340-460 | 153 | 400 | 130 | >98 | half-cycle | 35 | 430 |
| ETP90-20 | ± 20 | 90 | 320-480 | 162 | 400 | 130 | >98 | half-cycle | 35 | 430 |
| ETP120-15 | ± 15 | 120 | 340-460 | 204 | 400 | 173 | >98 | half-cycle | 35 | 430 |

Aquarius Plus - Input voltage variation range $\pm 30\%/\pm 25\%$ (the values listed in the table are referred to 400V nominal voltage)

| | | | | | | | | | | |
|-----------------|----------|----|---------|-----|-----|----|-----|------------|----|-----|
| ETP10-30 | ± 30 | 10 | 280-520 | 20 | 400 | 14 | >98 | half-cycle | 23 | 130 |
| ETP15-25 | ± 25 | 15 | 300-500 | 29 | 400 | 22 | >98 | half-cycle | 23 | 170 |
| ETP15-30 | ± 30 | 15 | 280-520 | 31 | 400 | 22 | >98 | half-cycle | 23 | 220 |
| ETP20-25 | ± 25 | 20 | 300-500 | 39 | 400 | 29 | >98 | half-cycle | 31 | 410 |
| ETP20-30 | ± 30 | 20 | 280-520 | 41 | 400 | 29 | >98 | half-cycle | 31 | 430 |
| ETP30-25 | ± 25 | 30 | 300-500 | 57 | 400 | 43 | >98 | half-cycle | 35 | 430 |
| ETP30-30 | ± 30 | 30 | 280-520 | 61 | 400 | 43 | >98 | half-cycle | 35 | 430 |
| ETP45-25 | ± 25 | 45 | 300-500 | 86 | 400 | 65 | >98 | half-cycle | 35 | 430 |
| ETP45-30 | ± 30 | 45 | 280-520 | 93 | 400 | 65 | >98 | half-cycle | 35 | 430 |
| ETP60-25 | ± 25 | 60 | 300-500 | 116 | 400 | 87 | >98 | half-cycle | 35 | 430 |