



Since 1967
Quality and Reliability
made in Italy



UC: if you need guaranteed D.C. even when mains is down

- *Thyristors technology*
- *Insulation transformer in input (on request 12-pulse)*
- *Automatic and manual battery test*
- *Provision of optional voltage-free contacts*
- *High MTBF (> 150000 h)*
- *Low MTTR (< 0.5 h)*
- *Easy installation and maintenance with full front accessibility*
- *Compact size (customized cabinets on request)*
- *Higher protection degrees on request*
- *Customization for any DC voltage*

The UC power supplies / DC UPS use **thyristors technology**, providing **high reliability under the most difficult operating conditions**, such as lightning and sudden temperature changes.



Technical Data UC series

| MODEL | UC-1 | UC-2 | UC-3 | UC-4 | UC-5 | UC-6 | UC-7 | UC-8 | UC-9 | UC-10 | UC-11 | UC-12 | UC-13 | UC-14 | UC-15 | UC-16 |
|--------------------------------------|---|------|-----------------|------|-----------------|------|-----------------|------|------------------|-------|-------|------------------|-------|-------|------------------|-------|
| Power - kVA | 0.5 | 1 | 1.5 | 2 | 3 | 4 | 5 | 7.5 | 10 | 12.5 | 15 | 20 | 25 | 30 | 40 | 50 |
| Input | | | | | | | | | | | | | | | | |
| Phases | 1-Ph / 3-Ph + N | | | | | | | | | | | | | | | |
| Voltage | 220 / 230 / 240 Vac // 380 / 400 / 415 Vac ± 20% (100 / 110 / 115 / 120 / 127 Vac // 200 / 208 / 220 / 440 / 480 Vac on request) | | | | | | | | | | | | | | | |
| Frequency | 50 / 60 Hz ± 5% | | | | | | | | | | | | | | | |
| Output | | | | | | | | | | | | | | | | |
| Voltage | 24 / 36 / 48 / 72 / 110 / 150 / 220 / 400 Vdc | | | | | | | | | | | | | | | |
| Ripple | < 2% | | | | | | | | | | | | | | | |
| Overload | 110% for 1 h | | | | | | | | | | | | | | | |
| Batteries | Optional | | | | | | | | | | | | | | | |
| Type | Sealed lead-acid (NiCd / Li-Ion / NaNiCl ₂ on request) | | | | | | | | | | | | | | | |
| Charge control | Automatic with electronic control | | | | | | | | | | | | | | | |
| Stored energy time - min | Upon request | | | | | | | | | | | | | | | |
| Protections | | | | | | | | | | | | | | | | |
| Short-circuit | With electronic protection | | | | | | | | | | | | | | | |
| No-fuse breaker | Mains | | | | | | | | | | | | | | | |
| Signals | | | | | | | | | | | | | | | | |
| Led | Mains, output | | | | | | | | | | | | | | | |
| Voltmeter | Output | | | | | | | | | | | | | | | |
| Ammeter | Output | | | | | | | | | | | | | | | |
| Environmental | | | | | | | | | | | | | | | | |
| Temperature | 0°C ÷ 50°C | | | | | | | | | | | | | | | |
| Non-condensing humidity | 0% ÷ 95% | | | | | | | | | | | | | | | |
| Noise (at 1 m) | < 40 dBA | | | | | | | | | | | | | | | |
| Protection rating | IP20 | | | | | | | | | | | | | | | |
| UC Dimensions | | | | | | | | | | | | | | | | |
| W x D x H - mm | 400 x 250 x 540 | | 400 x 250 x 640 | | 500 x 250 x 740 | | 600 x 400 x 840 | | 800 x 500 x 1100 | | | 800 x 600 x 1300 | | | 800 x 800 x 1300 | |
| UC Weight - kg | 20 | 35 | 45 | 60 | 70 | 80 | 90 | 120 | 140 | 150 | 160 | 200 | 240 | 300 | 340 | 360 |
| CE Marking | 2014/30/EU; 2014/35/EU | | | | | | | | | | | | | | | |
| Compliance with the standards | IEC 478-1; IEC 478-2; IEC 478-4 | | | | | | | | | | | | | | | |