

PRODUCT DATA SHEET

UNIBLOCK UBTD+ for Battery

Uninterruptible Power Supply

Highlights UBTD+

- Single machines sized 500 kW up to 2700 kW and paralleling up to 40MW
- Higher reliability than other technologies
- Highest efficiency, up to 97% on line (with energy store connected).
- Total Design Flexibility
- Medium Voltage available
- Water cooling available using building chilled water
- Battery- or flywheel backed versions
- More than 3 times longer bridging time from Piller kinetic energy storage than with any other commercially available flywheel system
- Redundant on-board power supplies
- Leading and lagging output power factor without derating
- 100% load step capability
- Inherent fault clearing ability for short circuit faults without bypass
- Virtual unity input power factor
- 99% input/output harmonic isolation



Nothing protects quite like Piller

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| UNIBLOCK | UBTD+ 560 | UBTD+ 1000 | UBTD+ 1340 |
|-----------------------|---|------------|------------|
| Output | | | |
| Rated power | 625kVA | 1100kVA | 1670kVA |
| Rated active power | 560kW | 1000kW | 1340kW |
| Rated current | 902A | 1588A | 2410A |
| Rated voltage | 400 / 231V (± 5 adjustable) | | |
| Short-circuit current | up to 17x rated current for 10ms | | |
| Rated frequency | 50Hz (0,1% static self controlled / 1% on mains / 1% dynamic) | | |
| Power factor | 0,9 | 0,9 | 0,8 |
| Efficiency | up to 97% | | |
| Input | | | |
| Rated voltage | 400 / 231V $\pm 10\%$ | | |
| Rated frequency | 50Hz $\pm 1\%$ (adjustable $\pm 5\%$) | | |
| Current distortion | < 3% | | |
| Power factor | 0,97 | | |
| General data | | | |
| Width | 2350mm | 3900mm | 3900mm |
| Depth | 980mm | 1320mm | 1320mm |
| Height | 2300mm | 2300mm | 2300mm |
| Weight | 2010kg | 44460kg | 5310kg |
| max. backup time | customized | | |

Options

- 4pole for neutral switching
- customer specific colours
- Castell-Key / Kirk-Key
- water cooling
- APOCONNECT (remote diagnostics)
- UNMS (Visualisation)
- DATAWATCH (shut-down)
- Profibus-DP
- Protocol-Gateway (3 maximum)
- I/O-card (3 maximum)
- SNMP-adapter with Ethernet Interface
- OPC-Server