

UNIBLOCK UBTD+ with POWERBRIDGE

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

PRODUCT DATA SHEET

UNIBLOCK UBTD+ with POWERBRIDGE



UNIBLOCK	UBTD+ 560 with PB 6	UBTD+ 560 with PB 16,5	UBT+ 1000 with PB 16,5	UBT+ 1500 with PB 16,5	UBTD+ 1500 with PB 21
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Output

Rated power	625kVA	625kVA	1100kVA	1670kVA	1670kVA
Rated active power	560kW	560kW	1000kW	1500kW	1500kW
Rated current	902A	902A	1588A	2410A	2410A
Rated voltage	400 / 231V ($\pm 5\%$ 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	0,9	0,9	0,9
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	3750mm	3750mm	4600mm	4600mm	4600mm
Depth	1320mm	1320mm	1320mm	1320mm	1320mm
Height	2300mm	2300mm	2300mm	2300mm	2300mm
Weight	5610kg	8110kg	9670kg	10560kg	11440kg
Backup time	11s	24s	14s	9s	13s

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

PRODUCT DATA SHEET

UNIBLOCK UBTD+ with POWERBRIDGE



UNIBLOCK	UBTD+ 1800 with PB 21	UBTD+ 1800 with 2x PB 16,5	UBTD+ 2250 with PB 21	UBTD+ 2250 with 2x PB 16,5
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Output

Rated power	2000kVA	2000kVA	2500kVA	2500kVA
Rated active power	1800kW	1800kW	2250kW	2250kW
Rated current	2887A	2887A	3608A	3608A
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	0,9	0,9
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	6790mm	9590mm	7640mm	12090mm
Depth	1320mm	1320mm	1320mm	1320mm
Height	2300mm	2300mm	2300mm	2700mm
Weight	13860kg	20065kg	15260kg	34180kg
Backup time	11s	15s	8s	12s

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