PRODUCT DATA SHEET

UNIBLOCK
UBT+ with POWERBRIDGE

Uninterruptible Power Supply

Highlights UBT+ range

- 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).
- Economic Power Management,
  Number of active units in a parallel system is automatically adapted to the load level
- Total Design Flexibility
- Free choice of standby Gensets
- 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 even in Genset operation
- 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	UBT+ 560 with PB 6	UBT+ 560 with PB 16.5	UBT+ 1000 with PB 16.5	UBT+ 1000 with PB 21	UBT+ 1500 with PB 21
Output					
Rated power	625kVA	625kVA	1100kVA	1100kVA	1670kVA
Rated active power	560kW	560kW	1000kW	1000kW	1500kW
Rated current	902A	902A	1588A	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	0.9	0.9	0.9
Efficiency	up to 97%				

Input					
Rated voltage	400 / 231V ±10%				
Rated frequency	50Hz ±1% (adjustable ±5%)				
Current distortion	< 3%				
Power factor	0.97				

General data					
Width	4110mm	4110mm	5300mm	5300mm	5300mm
Depth	1320mm	1320mm	1320mm	1320mm	1320mm
Height	2300mm	2300mm	2700mm	2700mm	2700mm
Weight	9600kg	11900kg	17400kg	18300kg	20370kg
Backup time	11s	24s	14s	19s	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

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Power Systems

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UNIBLOCK
UBT+ with 2x POWERBRIDGE

UNIBLOCK	UBT+ 1500 with 2x PB 16.5	UBT+ 1800 with 2x PB 16.5	UBT+ 2250 with 2x PB 16.5	UBT+ 2250 with 2x PB 21
Output				
Rated power	1670kVA	2000kVA	2500kVA	2500kVA
Rated active power	1500kW	1800kW	2250kW	2250kW
Rated current	2410A	2887A	3608A	3608A
Rated voltaget	400 / 231V (±5% adjustable)			
Short-circuit current	bis zu 17x Nennstrom für 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 ±10%			
Rated frequency	50Hz ±1% (adjustable ±5%)			
Current distortion	< 3%			
Power factor	0.97			

General data				
Width	8700mm	12090mm	12090mm	12090mm
Depth	1320mm	1320mm	1320mm	1320mm
Height	2700mm	2300mm	2700mm	2700mm
Weight	27300kg	30300kg	32380kg	34180kg
Backup time	18s	15s	12s	17s

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

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