PILLER
Power Systems

UNIBLOCK
UBT+ for Battery

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

UNIBLOCK	UBT+ 560	UBT+ 1000	UBT+ 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 ±10%		
Rated frequency	50Hz ±1% (adjustable ±5%)		
Current distortion	< 3%		
Power factor	0.97		
General data			
Width	2710mm	4600mm	4600mm
Depth	980mm	1320mm	1320mm
Height	2300mm	2700mm	2700mm
Weight	5800kg	12190kg	14240kg
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

www.piller.com

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