

Piller Rental



High performance containerized
UPS systems

Nothing protects quite like Piller

www.piller.com

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Piller Headquarters & Manufacturing Facility, Osterode

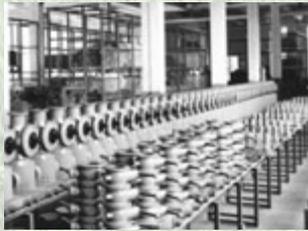
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Assembly & Testing Facility, Bilshausen



History of reliability

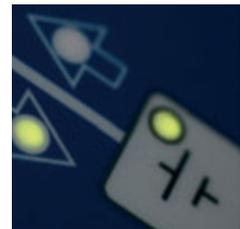


Since its formation by Anton Piller in 1909, the company Piller has been synonymous with electrical machines of the highest quality and reliability. Today, Piller, from its headquarters in Germany and via its regional offices, representatives and distributors worldwide, continues that tradition into the 21st century.

Piller produces high performance power protection systems and converters. Combined with the highest levels of customer support and engineering excellence available anywhere, Piller is internationally recognised as the most respected name in its field.

Our 'know-how' doesn't just help protect the environment with high efficiency solutions; it protects reputations, provides peace of mind and promotes confidence within your business.

Piller is a wholly owned subsidiary of the multi-disciplined global UK engineering group, Langley Holdings plc. (www.langleyholdings.com)



*'internationally recognised
as the most respected name in its field'*

PILLER



© Photo by Frank Hebelson

Piller Rental



Peace of mind comes from knowing your rented UPS system is expertly built and maintained. A full on-site UPS rental service is available from Piller for short to long term hire, tailored to clients' individual requirements. Whether you require a system as a temporary measure owing to maintenance or replacement, or for an important public event, Piller's high quality German-built Power Protection Systems are dedicated first and foremost to safeguarding your business.

Especially in exceptional situations such as construction work in the datacenter or complete temporary power supply such as those found at large events, it depends on a reliable and highly available power supply. Piller as a leader and worldwide supplier of power conditioning systems, can also at this situations be with you, with UPS systems with the highest quality and security of supply, competent project management and a nationwide service organization in all situations.

We have a rental fleet of rotary and static UPS systems with battery and diesel backup, at the diesel UPS systems we use our kinetic energy storage Powerbridge instead of a battery. This increased the availability further.

Most of the rental containers can be running in parallel mode, so that even complex power systems can be built with high output power, temporarily. Furthermore, smaller static UPS systems for installation in the building are available. Matching battery systems with up to 10 minutes backup time in cabinet complement these systems.

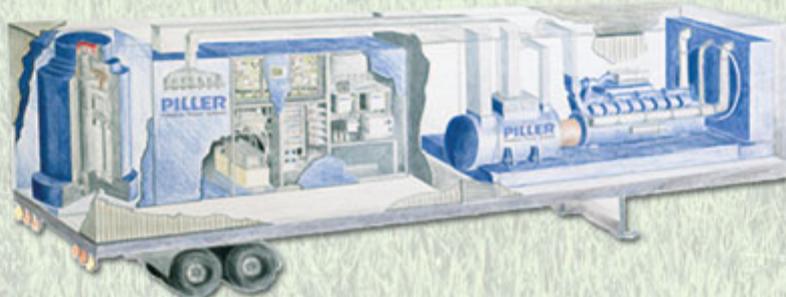
If requested, Piller can carry out all necessary work like transportation, offloading, installation and the connection.

Some containers can also be operated on a truck trailer. The installation and commissioning can thus still be even faster. The rental containers will be commissioned and supported from our local service facilities, so that you benefits from all our services. For example: 24h/365 days emergency hotline and rapid response times.

'Often, the merest interruption of power can cause catastrophic results'



Available rental UPS Systems



UNIBLOCK		kVA	kW	length	depth	height	kg	min	I/Operating - hours	dBA @ 7 m	
UBR 625	400V, 50 Hz	625	500	12300	2550	2600	21,500	3.5	Battery	70	5
UBR 625	400V, 50 Hz	625	500	6200	3150	3000	22,000	5	Battery	70	6
UBR 625	400V, 50 Hz	625	500	6200	3150	3000	22,000	3.5	Battery	70	7
UBR 500	400V, 50 Hz	500	400	6050	2500	2900	15,500	3.5	Battery	70	8
UBR 500	400V, 50 Hz	500	400	6050	2500	2900	15,500	3.5	Battery	70	9
UBTD 625	400V, 50 Hz	625	500	12240	2530	2650	28,500	Powerbridge	1000/11h	75	1
UBTD 625	400V, 50 Hz	625	500	12000	2500	3340	36,000	Powerbridge	1000/11h	75	12
UBTD 1100/750	400V, 50 Hz	1100/750	880/600	18000	3000	3000	62,000	Powerbridge	3500/8h	75	14
AP 2 x 400 ²	400V, 50 Hz	2 x 444	800	6000	2500	2900	19,000	6	Battery	70	15

*) Actual dimensions may differ slightly from given figures 2) Static UPS.

For additional technical information, detailed data sheets for every unit are available.

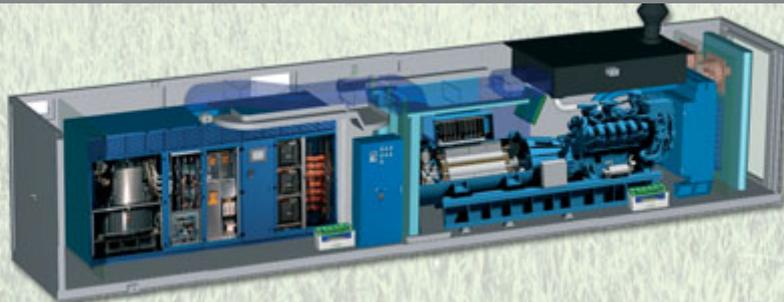


'full on-site UPS rental service is available for short to long term hire, tailored to clients' individual requirements'





Highlights rotary UPS systems



1. Highest Reliability

- MTBF up to 1,200,000 hours
- Inherent fault clearing ability without utility
- Redundant on-board power supplies
- Redundant master/slave controllers
- In built protection against utility short circuit faults

2. Exact sinusoidal output voltage

- High overload ability (on-line)
- 100% unbalanced load
- Unlimited crest factor
- High load step ability

3. High efficiency

- High efficiency
- Sinusoidal input current
- Virtual unity input power factor
- Leading and lagging output power factor without de-rating
- Low whole life cost
- Diesel engine start only at longer blackouts

4. User friendly

- A range of communication protocols and industry standard interfaces
- Easy integration with building management system
- Intuitive menu driven operation

5. Containerized UPS System

- Same functionality than stationary UPS
- Available on very short term: Lease systems from stock
- Ready for operation immediately after connecting to mains and load
- No additional measures for noise attenuation air ducting or internal cabling
- Outgoing inspection of every system
- Parallel operation (configurations on request)
- Easy installation, fast commissioning

'A worldwide network of distributors and representatives augment Piller subsidiaries located in key regional markets'



Unrivalled after sales service

Unrivalled After Sales Service

Competence and responsiveness are the watchwords of our business.

Piller believes that product and service belong together, and the Piller name is synonymous with excellent after sales service. The best technology is only as good in the long term as the service that underpins it.

For this purpose, a comprehensive network of qualified service staff is available – world-wide.

The premium quality and technical maturity of every Piller product already guarantees a high degree of functional security, and together with quality maintenance, this further reduces any risk of possible breakdown.

Piller offers a comprehensive package of services tailored to your requirements:

- **Technical consultation**
- **Operator training**
- **Functional testing**
- **Maintenance**
- **Fault analysis and troubleshooting**
- **Customer training**
- **Remote system diagnosis and support**

Service Team Capability

Piller's customer service engineering team is highly qualified and trained on all products and services. As a combined total, field service teams have centuries of experience working on three generations of UPS systems. Piller operates a 'best of breed' philosophy in all working practices and is believed to be market leader in first time resolution of site problems.

Piller Service

Piller understands that malfunctions can also occur outside working hours, which is when competent help is needed quickly. For this reason an emergency call-out service is in operation.

Service centres are strategically positioned in relation to Piller's installed base for the best possible response time and familiarity with clients' installations.



'Service centres are strategically positioned in relation to Piller's installed base'

PILLER

ROTARY UPS SYSTEM
HYBRID ROTARY UPS SYSTEMS
ROTARY DIESEL UPS SYSTEMS
STATIC UPS SYSTEMS
STATIC TRANSFER SWITCHES
KINETIC ENERGY STORAGE
AIRCRAFT GROUND POWER SYSTEMS
FREQUENCY CONVERTERS
NAVAL POWER SUPPLIES
SYSTEM INTEGRATION



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The information contained within this brochure is deemed to be correct at the time of going to press. Due to a policy of continued improvement, we reserve the right to change any specification without prior notice. ERRORS & OMISSIONS EXCEPTED

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PILLER
Power Systems