

Piller UB-V Series

HIGH PERFORMANCE UPS FOR DATA CENTRES



PILLER
Power Systems

The new UNIBLOCK™ UB-V series UPS platform is designed for the typical large scale data centre and combines cost effective ownership with high reliability, efficiency and power density.

The UB-V Series UPS is Piller's latest generation of electrically coupled UPS. A completely new electronics platform affords even higher Reliability through advanced self-diagnostics and a revised internal architecture employing a unique real-time Ethernet communication protocol known as PillerLINK™. A patented ring topology provides redundancy between electronic boards powered by redundant power supplies that are fed from redundant sources.

The self-diagnostics allow the UB-V to monitor multiple operating and predictive maintenance parameters in real time. Using such resources, the units can reliably operate in certain installations without the need for any annual maintenance shutdown. This, combined with a five-year inspection and a very high operating Reliability, dramatically pushes up the UPS Availability and cuts the cost of ownership during the life of the unit.

With UPS ratings ranging up to 3600kVA / 3240kW, the UB-V Series offers continuous on-line efficiencies as high as 98% at full load and typically at least 97% at half load making it less costly to run than many of its contemporary rivals.

In all, the UB-V Series UPS for use in large scale data centres, improves Availability, operating costs and Reliability at the same time as reducing footprint and capital cost per kW. Its technology is based upon proven techniques developed over several decades and used to protect many of the World's leading Banks and similar pre-eminent mission critical facilities.

UB-V SERIES UPS BENEFITS

- Up to 98% efficiency at full load, 97% at half load (IEC 62040-3)
- No routine annual maintenance shutdown
- Low and Medium voltage versions
- Lithium ion, VRLA or flywheel ride-through
- Suitable for export of embedded power
- Suitable for stabilisation of renewable energy sources
- Competitive footprint, saving 20% floor space
- Extended power range – single units up to 3240kW
- Advanced control system with self-diagnostics



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UB-V BATTERY

Type	Power Rating		Voltage / Frequency		W (mm)	Dimensions D (mm)	H* (mm)	Weight kg	Energy storage Type
	kVA	kW	V	Hz					
UB-V 1200	1300	1200	480V / 60Hz		4600	1320	2700	12190	Battery
UB-V 2000	2200	2000	480V / 60Hz		4800	1320	2700	14750	Battery
UB-V 3240	3600	3240	480V / 60Hz		8400	1470	2700	24200	Battery

UB-V POWERBRIDGE™

Type	Power Rating		Voltage / Frequency		W (mm)	Dimensions D (mm)	H* (mm)	Weight kg	Energy storage Type
	kVA	kW	V	Hz					
UB-V 1200	1300	1200	480V / 60Hz		5300	1320	2700	18300	PB21
UB-V 1200	1300	1200	480V / 60Hz		6395	1672	2700	24820	PB60+
UB-V 1800	2000	1800	480V / 60Hz		5300	1320	2700	20370	PB21
UB-V 1800	2000	1800	480V / 60Hz		6395	1672	2700	26870	PB60+
UB-V 2150	2400	2150	480V / 60Hz		5800	1320	2700	22040	PB21
UB-V 2150	2400	2150	480V / 60Hz		7695	1672	2700	29230	PB60+
UB-V 2700	3000	2700	480V / 60Hz		7695	1672	2700	30430	PB60+
UB-V 3240	3600	3240	480V / 60Hz		9095	1672	2700	35810	PB60+
UB-V 1800	2000	1800	600V / 60Hz		5500	1320	2700	20600	PB21
UB-V 1800	2000	1800	600V / 60Hz		6595	1672	2700	27020	PB60+
UB-V 2150	2400	2150	600V / 60Hz		6300	1320	2700	22550	PB21
UB-V 2150	2400	2150	600V / 60Hz		7395	1672	2700	15620	PB60+
UB-V 2700	3000	2700	600V / 60Hz		7695	1672	2700	30430	PB60+

UB-V SERIES AT MEDIUM VOLTAGE

Type	Power Rating		Voltage / Frequency		W (mm)	Dimensions D (mm)	H* (mm)	Weight kg	Energy storage Type
	kVA	kW	V	Hz					
UB-V 1800	2000	1800	MV / 60Hz		4300	1320	2700	17810	PB21
UB-V 1800	2000	1800	MV / 60Hz		5395	1672	2700	25440	PB60+
UB-V 2000	2200	2000	MV / 60Hz		3600	1320	2700	11650	Battery
UB-V 2150	2400	2150	MV / 60Hz		4300	1320	2700	18860	PB21
UB-V 2150	2400	2150	MV / 60Hz		5395	1672	2700	25440	PB60+
UB-V 2700	3000	2700	MV / 60Hz		6495	1672	2700	26620	PB60+

* Including 400mm silencer – removable for transport.

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