ONLINE USV-SYSTEME AG
www.online-ups.com

UPS XANTO 3-phase

Premium class high performance UPS for data centers and commercial buildings

- Four performance classes: 10,000 – 40,000 VA
- Parallel operation of up to six UPS systems
- Highest level of security thanks to double conversion technology
- Energy-saving ECO Mode operation
- High efficiency thanks to efficient DPT technology
- Runtime extension through optional battery packs

3-year manufacturer's warranty, including the battery; installation and maintenance services available upon request; for the full warranty terms and conditions, please visit: www.online-usv.de/form/garantiebedingungen

DPT DYNAMIC POWER TECHNOLOGY
energy saving · intelligent · future-proof

Technical data

Model	XANTO 10,000 3/3	XANTO 20,000 3/3	XANTO 30,000 3/3	XANTO 40,000 3/3
Item no. UPS	X1000033	X2000033	X3000033	X4000033
Item no. battery pack	X1000033BP	X2000033BP	X4000033BP	X4000033BP
Phases	3-phase input / 3-phase output			
Power	10 KVA / 10 KW	20 KVA / 20 KW	30 KVA / 30 KW	40 KVA / 40 KW
Parallel connection capability	up to 6 devices in parallel			
Input				
Input voltage	3 x 380 / 400 / 415 VAC (3 phases + N)			
Input voltage range	-30 % ~ +20 %			
Input frequency	40 ~ 70 Hz			
Power factor	> = 0.99 at 100 % load			
Harmonics (THDi)	< 3 % at linear full load			
Output				
Output voltage	3 x 380 / 400 / 415 VAC (3 phases + N)			
Voltage regulation (battery operation)	± 1 %			
Frequency range (synchronized range)	46 – 54 Hz or 56 – 64 Hz			
Frequency range (battery operation)	50/60 Hz ± 1 %			
Current harmonic distortion	3:1 (max)			
Harmonic distortion	≤ 1 % THD (linear load); ≤ 3 % THD (non-linear load)			
Switching time between normal operation – battery operation	0			
Switching time between normal operation – bypass	0			
Waveform battery operation	pure sine wave			
Overload capability	100 – 110 % for 60 min, 111 – 125 % for 10 min, 126 – 150 % for 1 min, > 150 % for 400 ms			
Bypass				
Bypass voltage	3 x 380 / 400 / 415 VAC (3 phases + N)			
Bypass voltage range	-30 % ~ +20 %			
Bypass frequency (synchronous range)	46 – 54 Hz or 56 – 64 Hz			
Overload capability	> 130 % 1 min, permanent until fuse trip (optional)			
Efficiency				
Normal operation	96 %			
ECO operating mode	99 %			
Battery operated	96 %			
Battery				
Battery type	12 V / 9 Ah			
Number of batteries (standard)	20 (10 +10)	32 (16 +16)	64 (2 x 16 + 16)	64 (2 x 16 + 16)
Typical recharge time	9 hours to 90 % capacity			
Charging current (adjustable)	1 A – 12 A			
Charging voltage	± 136.5 VDC ± 10 %	± 218.5 VDC ± 10 %	± 218.5 VDC ± 10 %	± 218.5 VDC ± 10 %
Typ. bridging times at 50 or 100 % load and pf = 0.7				
Standard (UPS internal battery)	10 / 3.2	7.3 / –	12 / 3.7	7.3 / -
Plus 1 battery pack	44 / 19	34 / 14	29 / 12	20 / 7.3
Plus 2 battery pack	82 / 35	63 / 27	48 / 20	34 / 14
Plus 3 battery pack	123 / 53	94 / 41	68 / 29	48 / 20
Plus 4 battery pack	167 / 72	124 / 54	89 / 38	63 / 27
Plus 5 battery pack	211 / 92	163 / 70	111 / 48	78 / 34
Displays				
LCD display	multi-color, animated LCD			
Dimensions / Weight				
UPS: Length x width x heigh (in mm)	860 x 300 x 860	860 x 300 x 1000	860 x 300 x 1000	860 x 300 x 1000
UPS: Weight (without batteries)	–	43k g	60 kg	67 kg
UPS: Weight (with batteries)	79 kg	–	–	–
Battery pack: Length x width x heigh (in mm)	580 x 250 x 580	860 x 250 x 830	860 x 250 x 830	860 x 250 x 830
Battery pack: Weight (without batteries)	23 kg	48 kg	48 kg	48 kg
Environmental conditions				
Permissible temperature	0 – 40 °C			
Permissible air humidity	< 95 % non-condensing			
Max. installation height	0 – 1500 m at full load			
Noise development (@ 1 meter)	less than 60 dB	less than 60 dB	less than 63 dB	less than 63 dB
Interfaces				
Serial interfaces	USB / RS232			
Contact interfaces	6 output contacts / 8 input contacts / EPO contact			
Optional interfaces	Network management card slot			
Scope of delivery				
UPS	1	1	1	1
Pallet with ramp	1	1	1	1
USB cable	1	1	1	1
Software CD	1	1	1	1
Battery cable	1	1	1	1
Internal battery wiring	–	1	1	1
Certification, warranty				
Classification	VFI-SS-111 (EN62040-3)			
Safety	EN62040-1			
EMC, Performance	EN62040-2			
Approval	CE			
Protection class	IP21			
Warranty	3 years incl. battery			