

Online Lead-Acid UPS - 5 kVA - 10 kVA

This UPS is Born to Perform

Our online rack mount lead-acid (VRLA) UPS offers reliable backup power in a 2U form factor. Designed for high-density critical loads, it's available in power capacities ranging from 5 kVA to 10 kVA. Being an online (double-conversion) UPS, it not only provides backup power for the rack but also shields rack-mounted equipment from any kind of power surge or disturbance, protecting your mission-critical equipment and enabling a safe shutdown in the event of a power failure.

PRODUCT APPLICATIONS

Suited for edge computing applications, standard networking closets and IT rooms, state, local, and federal agencies, universities and educational institutions, industrial IT, and more.

PRODUCT FEATURES

3 Year Full Warranty

- Industry leading coverage
- Covers both lead-acid batteries and UPS electronics

Online (Double Conversion) Technology

- Provides safe and reliable power supply
- Battery supplies backup power

Extended Runtimes

- Optional matching battery modules available with 5 kVA, 6 kVA, and 10 kVA for extended runtimes

Isolation Transformer

- Optional transformer provides 240/120 or 208/120V output
- Output voltage is programmable to meet a wide range of requirements, both US and international



Battery pack sold separately

Efficient Operations

- Lower energy consumption with up to 94% online or 99% ECO mode efficiency
- Unity output power factor

Multiple Power Capacities Available

Power capacities available in:

- 5 kVA (5 kW) = PN: DX5000N
- 6 kVA (6 kW) = PN: DX6000N
- 10 kVA (10 kW) = PN: DX10KN

Benefits

- Hot-swappable battery packs (sold separately)
- Bypass distribution module compatible

PRODUCT SPECIFICATIONS

PHYSICAL SPECIFICATIONS

Part Number	DX5000N	DX6000N	DX10KN
Dimensions (WxDxH)	17.2" x 23.6" x 3.5" (436.88 mm x 599.44 mm x 88.9 mm)		
Weight	33.1 lb (15.01 kg)		39.7 lb (18.00 kg)

POWER

Power Capacity	5 kVA (5 kW)	6 kVA (6 kW)	10 kVA (10 kW)
Input (Voltage/Frequency)	110-300 VAC* / 50/60Hz		
Output (Voltage)	208/220/230/240 VAC (208/120V or 240/120V with optional transformer)***		
Output (Frequency)	50/60Hz ± 0.1Hz		
THD (full load)	< 4%		
Overload Capacity	110% 10 min; 130% 1 min; > 130% 1 sec		
Output (Efficiency)	Up to 94% online mode or 99% ECO mode		

BATTERY

Type	Sealed, maintenance-free lead-acid			
Charging Current	1-4A			
Nominal/Float Voltage	240/273 VDC			

BYPASS DISTRIBUTION MODULE

Part Number	PM6KA (5 or 6 kVA)	PM10KB	PM10KC	PM10KD
Input Connection	6" (1.82 m) L6-30P		Terminal blocks or optional line cord	
Output Connection	(2) L6-30R + (2) C19** each with breaker	Terminal block + L6-30R + (2) C19** each with breaker	Terminal block + L6-30R with breaker	(2) L6-30R each with breaker

INCLUDED

Communications Interface	RS-232, USB, EPO, intelligent slot for optional cards (Web/SNMP, Relay/dry contact, Modbus)
Included In Box	ViewPower software, horizontal brackets, tower pedestals, and user manual

OPTIONAL

Available Options	Bypass distribution (PM series), 4-post rail kit, 2-post shelf kit, wall-mount bracket
Optional Battery Packs	See "Battery Pack and Runtimes" table on page 3

ENVIRONMENTAL

Operating Temperature	32–104°F (0–40°C)
Audible Noise	< 55 dBA < 58 dBA
Elevation, Above MSL	11,500 ft (3,500 m)

COMPLIANCE/STANDARDS

EMC Compliance	CE, EN62040-2:2006+AC:2006 & EN61000 (as applicable), FCC Class A, FCC Class B (as applicable)
Safety Compliance	CE, EN62040-1:2008+A1:2013, TUV certified to UL-1778 and CSA-C22.2no107.3-14
Environmental	RoHS
TAA Compliant	Yes (UPS only)

*Depending on load level. **Optional locking C20 dongles; L6-30R, L6-20R, 6-20R. *** DXN models capacity derates to 90% at 208 V output voltage.

PRODUCT SPECIFICATIONS

BATTERY PACK DATA & RUNTIMES

		Qty	1 kW	2 kW	3 kW	4 kW	5 kW	6 kW	7 kW	8 kW	9 kW	10 kW
Part Number	BX240D2	1 BP	53	27	15	11	7	5	4	4	3	2
Dimensions	17.2" x 27.4" x 3.5" (436.88 mm x 695.96 mm x 88.9 mm)	2 BP	117	61	38	27	20	15	13	11	9	7
Type/Quantity	(20) 12V 5AH Lead-Acid	3 BP	171	100	62	43	33	27	22	18	15	13
Part Number	BX240D3	1 BP	92	46	29	20	15	12	10	8	7	6
Dimensions	17.2" x 27.4" x 5.2" (436.88 mm x 695.96 mm x 132.08 mm)	2 BP	182	106	66	47	36	29	24	20	18	15
Type/Quantity	(20) 12V 580W Lead-Acid	3 BP	287	151	107	76	58	47	39	33	29	25

Runtimes are shown in minutes and will vary based on battery age and site conditions.

