



Configuration Guide

Quick configurations for 12 kW single UPS solutions up to 60 kW N+1 redundant systems.

- Step 1** Select UPS based on power configuration.
- Step 2** Select desired rack and power configuration.
- Step 3** Select appropriate startup and service support.

Note: Typical rack configurations. Other configurations available.

Racks and Power Distribution

UPS PRODUCTS AND ACCESSORIES

Power Configuration	Parts	Qty	Description	Rack Space Required
12kW	ZC1224010100000	1	Powerware BladeUPS 12 kW 400V w/60A 5W in/ RPM ONLY w/WEB/SNMP/4.8 min battery	6U
For additional battery runtime	103005747-6591	1	Battery increase to 12 minutes	3U
		2	Battery increase to 20 minutes	6U
		3	Battery increase to 27 minutes	9U
		4	Battery increase to 34 minutes	12U

* Each UPS requires same number of external batteries

TWO (2) RACKS @ 6 KW PER RACK

Parts	Qty	Description	Rack Space Required
Y032420CD100000	1	Powerware Rack Power Module (RPM), 12 kW, 12xIEC320-C13 and 6xIEC320-C19 out, BladeUPS Plug, 10 ft	3U
PW107BA0UC08	2	Vertical (0U) ePDU 7 kW, 16A 230V (24 x C13) / (8 x C19)	0U
1052736	1	42U Enclosure (Rack) Split Rear & Casters no Sides	-
1052737	1	42U Enclosure (Rack) Split Rear & Casters & Sides	-
1052754	1	Powerware Baying Kit, to attach two racks together	-

Total U space remaining for IT equipment 75U
Additional batteries can be installed in IT enclosures, subtract from usable space or order additional enclosure(s)

ONE (1) RACK @ 12 KW PER RACK

Parts	Qty	Description	Rack Space Required
Y032420CD100000	1	Powerware Rack Power Module (RPM), 12 kW, (2 x L21-30R), (6 x C19), BladeUPS Plug, 10 ft	3U
PW107BA0UC08	2	Vertical (0U) ePDU 7 kW, 16A 230V (24 x C13) / (8 x C19)	0U
1052737	1	42U Enclosure (Rack) Split Rear & Casters & Sides	-

Total U space remaining for IT equipment 33U
Additional batteries can be installed in IT enclosures, subtract from usable space or order additional enclosure(s)

Racks and Power Distribution

UPS PRODUCTS AND ACCESSORIES

Power Configuration	Parts	Qty	Description	Rack Space Required
12kW N+1	ZC122P060100000	2	Powerware BladeUPS 12 kW 400V w/parallel cord, 13 min battery @ 12 kW	12U
	1028126	1	Powerware BladeUPS Bar System in 1000 mm deep enclosure, 42U	6U
	116750221-001	1	ConnectUPS-X WEB/SNMP Communications Card	-
Total U space remaining for UPS expansion to 60 kW N+1			Input power wireway uses bottom 6U of enclosure	24U
For additional battery runtime*	103005747-6591	2	Battery increase to 30 minutes	6U
		4	Battery increase to 44 minutes	12U
		6	Battery increase to 59 minutes	18U
		8	Battery increase to 76 minutes	24U

* Each UPS requires same number of external batteries

TWO (2) RACKS @ 6 KW PER RACK

Parts	Qty	Description	Rack Space Required
Y032420CD100000	1	Powerware Rack Power Module (RPM), 12 kW, 12xIEC320-C13 and 6xIEC320-C19 out, BladeUPS Plug, 10 ft	3U
PW107BA0UC08	2	Vertical (0U) ePDU 7 kW, 16A 230V (24 x C13) / (8 x C19)	0U
1052736	2	42U Enclosure (Rack) Split Rear & Casters no Sides	-
1052754	1	Powerware Baying Kit, to attach two racks together	-

Total U space remaining for IT equipment 81U
Additional batteries can be installed in IT enclosures, subtract from usable space or order additional enclosure(s)

ONE (1) RACK @ 12 KW PER RACK

Parts	Qty	Description	Rack Space Required
Y032420CD100000	1	Powerware Rack Power Module (RPM), 12 kW, 12xIEC320-C13 and 6xIEC320-C19 out, BladeUPS Plug, 20 ft	3U
PW107BA0UC08	2	Vertical (0U) ePDU 7 kW, 16A 230V (24 x C13) / (8 x C19)	0U
1052736	1	42U Enclosure (Rack) Split Rear & Casters no Sides	-

Total U space remaining for IT equipment 39U
Additional batteries can be installed in IT enclosures, subtract from usable space or order additional enclosure(s)

Racks and Power Distribution

UPS PRODUCTS AND ACCESSORIES

Power Configuration	Parts	Qty	Description	Rack Space Required
24kW N+1	ZC122P060100000	3	Powerware BladeUPS 12 kW 400V w/parallel cord, 9 min battery @ 24 kW	18U
	1028126	1	Powerware BladeUPS Bar System in 1000 mm deep enclosure, 42U	6U
	116750221-001	1	ConnectUPS-X WEB/SNMP Communications Card	-
Total U space remaining for UPS expansion to 60 kW N+1			Input power wireway uses bottom 6U of enclosure	18U
For additional battery runtime*	103005747-6591	3	Battery increase to 21 minutes	9U
		6	Battery increase to 32 minutes	18U
		9	Battery increase to 43 minutes	27U
		12	Battery increase to 54 minutes	36U

* Each UPS requires same number of external batteries

FOUR (4) RACKS @ 6 KW PER RACK

Parts	Qty	Description	Rack Space Required
Y032420CD100000	1	Powerware Rack Power Module (RPM), 12 kW, 12xIEC320-C13 and 6xIEC320-C19 out, BladeUPS Plug, 10 ft	3U
Y032440CD100000	1	Powerware Rack Power Module (RPM), 12 kW, 12xIEC320-C13 and 6xIEC320-C19 out, BladeUPS Plug, 20 ft	3U
PW107BA0UC08	4	Vertical (0U) ePDU 7 kW, 16A 230V (24 x C13) / (8 x C19)	0U
1052736	4	42U Enclosure (Rack) Split Rear & Casters no Sides	-
1052754	3	Powerware Baying Kit, to attach two racks together	-

Total U space remaining for IT equipment 162U
Additional batteries can be installed in IT enclosures, subtract from usable space or order additional enclosure(s)

TWO (2) RACKS @ 12 KW PER RACK

Parts	Qty	Description	Rack Space Required
Y032420CD100000	1	Powerware Rack Power Module (RPM), 12 kW, 12xIEC320-C13 and 6xIEC320-C19 out, BladeUPS Plug, 10 ft	3U
Y032440CD100000	1	Powerware Rack Power Module (RPM), 12 kW, 12xIEC320-C13 and 6xIEC320-C19 out, BladeUPS Plug, 20 ft	3U
PW107BA0UC08	4	Vertical (0U) ePDU 7 kW, 16A 230V (24 x C13) / (8 x C19)	0U
1052736	2	42U Enclosure (Rack) Split Rear & Casters no Sides	-
1052754	1	Powerware Baying Kit, to attach two racks together	-

Total U space remaining for IT equipment 78U
Additional batteries can be installed in IT enclosures, subtract from usable space or order additional enclosure(s)

Racks and Power Distribution

UPS PRODUCTS AND ACCESSORIES

Power Configuration	Parts	Qty	Description	Rack Space Required
36kW N+1	ZC122P060100000	4	Powerware BladeUPS 12 kW 400V w/parallel cord, 7.7 min battery @ 36 kW	24U
	1028126	1	Powerware BladeUPS Bar System in 1000 mm deep enclosure, 42U	6U
	116750221-001	1	ConnectUPS-X WEB/SNMP Communications Card	-
Total U space remaining for UPS expansion to 60 kW N+1 Input power wireway uses bottom 6U of enclosure				12U
For additional battery runtime*	103005747-6591	4	Battery increase to 18 minutes	12U
		8	Battery increase to 28 minutes	24U
		12	Battery increase to 37 minutes	36U
		16	Battery increase to 47 minutes	48U

* Each UPS requires same number of external batteries

SIX (6) RACKS @ 6 KW PER RACK

Parts	Qty	Description	Rack Space Required
Y032420CD100000	1	Powerware Rack Power Module (RPM), 12 kW, 12xIEC320-C13 and 6xIEC320-C19 out, BladeUPS Plug, 10 ft	3U
Y032440CD100000	2	Powerware Rack Power Module (RPM), 12 kW, 12xIEC320-C13 and 6xIEC320-C19 out, BladeUPS Plug, 20 ft	0U
PW107BA0UC08	6	Vertical (0U) ePDU 7 kW, 16A 230V (24 x C13) / (8 x C19)	0U
1052736	6	42U Enclosure (Rack) Split Rear & Casters no Sides	-
1052754	5	Powerware Baying Kit, to attach two racks together	-
Total U space remaining for IT equipment Additional batteries can be installed in IT enclosures, subtract from usable space or order additional enclosure(s)			243U

THREE (3) RACKS @ 12 KW PER RACK

Parts	Qty	Description	Rack Space Required
Y032420CD100000	2	Powerware Rack Power Module (RPM), 12 kW, 12xIEC320-C13 and 6xIEC320-C19 out, BladeUPS Plug, 10 ft	6U
Y032420CD100000	1	Powerware Rack Power Module (RPM), 12 kW, 12xIEC320-C13 and 6xIEC320-C19 out, BladeUPS Plug, 15 ft	3U
PW107BA0UC08	6	Vertical (0U) ePDU 7 kW, 16A 230V (24 x C13) / (8 x C19)	0U
1052736	3	42U Enclosure (Rack) Split Rear & Casters no Sides	-
1052754	2	Powerware Baying Kit, to attach two racks together	-
Total U space remaining for IT equipment Additional batteries can be installed in IT enclosures, subtract from usable space or order additional enclosure(s)			117U

Racks and Power Distribution

UPS PRODUCTS AND ACCESSORIES

Power Configuration	Parts	Qty	Description	Rack Space Required
48kW N+1	ZC122P060100000	5	Powerware BladeUPS 12 kW 400V w/parallel cord, 6.9 min battery @ 48 kW	30U
	1028126	1	Powerware BladeUPS Bar System in 1000 mm deep enclosure, 42U	6U
	116750221-001	1	ConnectUPS-X WEB/SNMP Communications Card	-
Total U space remaining for UPS expansion to 60 kW N+1 Input power wireway uses bottom 6U of enclosure				6U
For additional battery runtime*	103005747-6591	5	Battery increase to 17 minutes	15U
		10	Battery increase to 26 minutes	30U
		15	Battery increase to 34 minutes	45U
		20	Battery increase to 44 minutes	60U

* Each UPS requires same number of external batteries

EIGHT (8) RACKS @ 6 KW PER RACK

Parts	Qty	Description	Rack Space Required
Y032420CD100000	1	Powerware Rack Power Module (RPM), 12 kW, 12xIEC320-C13 and 6xIEC320-C19 out, BladeUPS Plug, 10 ft	3U
Y032440CD100000	3	Powerware Rack Power Module (RPM), 12 kW, 12xIEC320-C13 and 6xIEC320-C19 out, BladeUPS Plug, 20 ft	9U
PW107BA0UC08	8	Vertical (0U) ePDU 7 kW, 16A 230V (24 x C13) / (8 x C19)	0U
1052736	8	42U Enclosure (Rack) Split Rear & Casters no Sides	-
1052754	7	Powerware Baying Kit, to attach two racks together	-
Total U space remaining for IT equipment Additional batteries can be installed in IT enclosures, subtract from usable space or order additional enclosure(s)			324U

FOUR (4) RACKS @ 12 KW PER RACK

Parts	Qty	Description	Rack Space Required
Y032420CD100000	1	Powerware Rack Power Module (RPM), 12 kW, 12xIEC320-C13 and 6xIEC320-C19 out, BladeUPS Plug, 10 ft	3U
Y032440CD100000	3	Powerware Rack Power Module (RPM), 12 kW, 12xIEC320-C13 and 6xIEC320-C19 out, BladeUPS Plug, 20 ft	9U
PW107BA0UC08	8	Vertical (0U) ePDU 7 kW, 16A 230V (24 x C13) / (8 x C19)	0U
1052736	4	42U Enclosure (Rack) Split Rear & Casters no Sides	-
1052754	3	Powerware Baying Kit, to attach two racks together	-
Total U space remaining for IT equipment Additional batteries can be installed in IT enclosures, subtract from usable space or order additional enclosure(s)			156U

Racks and Power Distribution

UPS PRODUCTS AND ACCESSORIES

Power Configuration	Parts	Qty	Description	Rack Space Required
60kW N+1	ZC122P060100000	6	Powerware BladeUPS 12 kW 400V w/parallel cord, 6.9 min battery @ 48 kW	36U
	1028126	1	Powerware BladeUPS Bar System in 1000 mm deep enclosure, 42U	6U
	116750221-001	1	ConnectUPS-X WEB/SNMP Communications Card	-
Total U space remaining for UPS expansion to 60 kW N+1 Input power wireway uses bottom 6U of enclosure				0U
For additional battery runtime*	103005747-6591	6	Battery increase to 15 minutes	18U
		12	Battery increase to 22 minutes	36U
		18	Battery increase to 29 minutes	54U
		24	Battery increase to 37 minutes	72U

* Each UPS requires same number of external batteries

**TEN (10) RACKS @ 6 KW PER RACK

Parts	Qty	Description	Rack Space Required
Y032420CD100000	1	Powerware Rack Power Module (RPM), 12 kW, 12xIEC320-C13 and 6xIEC320-C19 out, BladeUPS Plug, 10 ft	3U
Y032440CD100000	4	Powerware Rack Power Module (RPM), 12 kW, 12xIEC320-C13 and 6xIEC320-C19 out, BladeUPS Plug, 20 ft	12U
PW107BA0UC08	10	Vertical (0U) ePDU 7 kW, 16A 230V (24 x C13) / (8 x C19)	0U
1052736	10	42U Enclosure (Rack) Split Rear & Casters no Sides	-
1052754	9	Powerware Baying Kit, to attach two racks together	-
Total U space remaining for IT equipment Additional batteries can be installed in IT enclosures, subtract from usable space or order additional enclosure(s)			405U

** When supporting more than eight racks it is recommended to place UPS in center of configuration to make power distribution wiring easier.

FIVE (5) RACKS @ 12 KW PER RACK

Parts	Qty	Description	Rack Space Required
Y032420CD100000	2	Powerware Rack Power Module (RPM), 12 kW, 12xIEC320-C13 and 6xIEC320-C19 out, BladeUPS Plug, 10 ft	6U
Y032440CD100000	3	Powerware Rack Power Module (RPM), 12 kW, 12xIEC320-C13 and 6xIEC320-C19 out, BladeUPS Plug, 20 ft	9U
PW107BA0UC08	10	Vertical (0U) ePDU 7 kW, 16A 230V (24 x C13) / (8 x C19)	0U
1052736	5	42U Enclosure (Rack) Split Rear & Casters no Sides	-
1052754	4	Powerware Baying Kit, to attach two racks together	-
Total U space remaining for IT equipment Additional batteries can be installed in IT enclosures, subtract from usable space or order additional enclosure(s)			195U

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