



UPS for tower and rack usage

System configurator and order-information guide

February 2019

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PRIMERGY Server

Configuration and Order Options for Uninterruptible Power Supplies (UPSs) with Fujitsu brand logo by APC (American Power Conversion)

- Uninterruptible power supplies (UPSs) as floorstand units rated at 750 and 1500 VA
- Uninterruptible power supplies (UPSs) as rack / tower convertible modules rated at 1500VA and 3000 VA.

Following software packages and cables are shipped with each UPS.

1.) Packages for all UPS till 1500 VA

- PY LI UPS 750VA Tower, black S26361-F4542-L75
- PY LI UPS 1500VA Tower, black S26361-F4542-L150
- PY LI UPS 1500VA R/T S26361-K1426-V150: (2U, incl. Network Management card),Rack / Tower convertible
- PY LI UPS 3000VA R/T S26361-K1426-V300: (2U, incl. Network Management card),Rack / Tower convertible

Package 1. is included in each UPS above :

- USB cable for one server connection, 3m cable lengst
- Black cable for the RS232-interface. (COM-signalcable for 1. server)
- Power cord (up to 4x) with IEC 320 C13 connector to the outlet of the UPS
- CD-ROM with PowerChute Business Edition V9.x for:

OS list for serial and USB connectivity by help of APC PowerChute Business Edition (PCBE) v9.5 on CD in the Box

Windows Server Operating Systems

- Windows Server 2016
- Windows Server 2012 R2
- Windows Server 2012
- Windows Server 2008 R2
- Windows Server 2008

Linux Enterprise OS

- Red Hat Enterprise Linux 6 64-bit
- Red Hat Enterprise Linux 7 64-bit
- SUSE Linux Enterprise Server 11 32-bit
- SUSE Linux Enterprise Server 12 64-bit

VMware

- ESXi 5.5
- ESXi 6.0
- ESXi 6.5

Further OS support and hints please have a look into actual release copatibility chart of APC PCBE

2.) Packages for all Rack- / Tower convertible UPS

- PY LI UPS 1500VA R/T S26361-K1426-V150: (2U, incl. Network Management card),Rack / Tower convertible
- PY LI UPS 3000VA R/T S26361-K1426-V300: (2U, incl. Network Management card),Rack / Tower convertible

Package 2. is included in each UPS above :

- Power cord with IEC320 plug for 1500VA,
- Power cord with IEC309 (CEE 16A blue) for the 3000 VA UPS, fixed connected
- USB cable for one server connection, 3m cable lengst
- Black cable for the RS232-interface. (COM-signalcable for 1. server)
- Power cord (up to 4x) with IEC 320 C13 connector to the outlet of the UPS
- CD-ROM with PowerChute Business Edition V9.x for:
Same OS released as for package 1
- APC Configuration Wizard on CD-Rom
- CD-Rom with PowerChute Network shutdown >= 3.0.x, including 24 Traps on CD for all UPS delivered with Network Management Card
Same OS released as for package 1

OS list for LAN connectivity by help of APC PowerChute Network Shutdown (PCNS) v4.2 on CD in the Box

Uses the installed Web Management card in the UPS

Windows Server Operating Systems

- Windows Server 2016
- Windows Server 2012 R2
- Windows Server 2012
- Windows Server 2008 R2

Linux Enterprise OS

- Red Hat Enterprise Linux 5 32-bit and 64-bit
- Red Hat Enterprise Linux 5 [KVM / XEN] 64-bit
- Red Hat Enterprise Linux 6 32-bit and 64-bit
- Red Hat Enterprise Linux 6 [KVM] 64-bit
- Red Hat Enterprise Linux 7 64-bit
- Red Hat Enterprise Linux 7 [KVM] 64-bit
- SUSE Linux Enterprise Server 11 32-bit and 64-bit
- SUSE Linux Enterprise Server 12 32-bit and 64-bit

VMware Hypervisor

- ESXi 5.1 (inc. FT)
- ESXi 5.5
- ESXi 6.0
- ESXi 6.5

Citrix

- Xen Server 7 on selected PRIMERGY systems only
- Solaris 10 and 11 supported on SPARC Enterprise servers

Further OS support and hints please have a look into actual release copatibility chart of APC PCBE

On the Server Start CD-Rom, distributed with every Primergy Server, are the agents for Server View.

The APC Products are integrated in Server View and Server Start.

If you use indication over the Network management card, USP requires only one LAN connector. Cable joints to the servers are required.

Additional components are:

- *UPS Network Management adapter for 10/100 Base-T and Telnet connectors,
supports 10/100 Mbit/s autosect and the protocols Telnet, FTP, TFTP, WEB and SNMP

A

Uninterruptible power supply for 230 V

If a UPS (uninterruptible power supply) is installed, one adapter angle up to 150Kg for Fujitsu Racks 700mm wide must be ordered. If you configure a UPS with the System-Architect a adapter angle for the Fujitsu PRIMECENTER- and M1 Rack are added to the order list automatically !

UPS's with integrated **Network Management interface** make the extension of COM signals no longer necessary. Using the Network Management interface the number of nodes/ servers per UPS can easily be raised without increasing the effort in cabling or COM port extensions. For signalling via LAN is necessary only one LAN connection. However the max power of each UPS must be considered as always. A USB signal can be used, instead of the Network Management Card, as long as the respective components are ordered.

For more information about UPS configuration and notes for the UPS power calculation see UPS configurator.

All UPS until 3000VA will be connected with the provided power cord.
For 5000VA, you need a hard wired 1-phase-connector; a power cord is not provided; protection with 25 ampere.

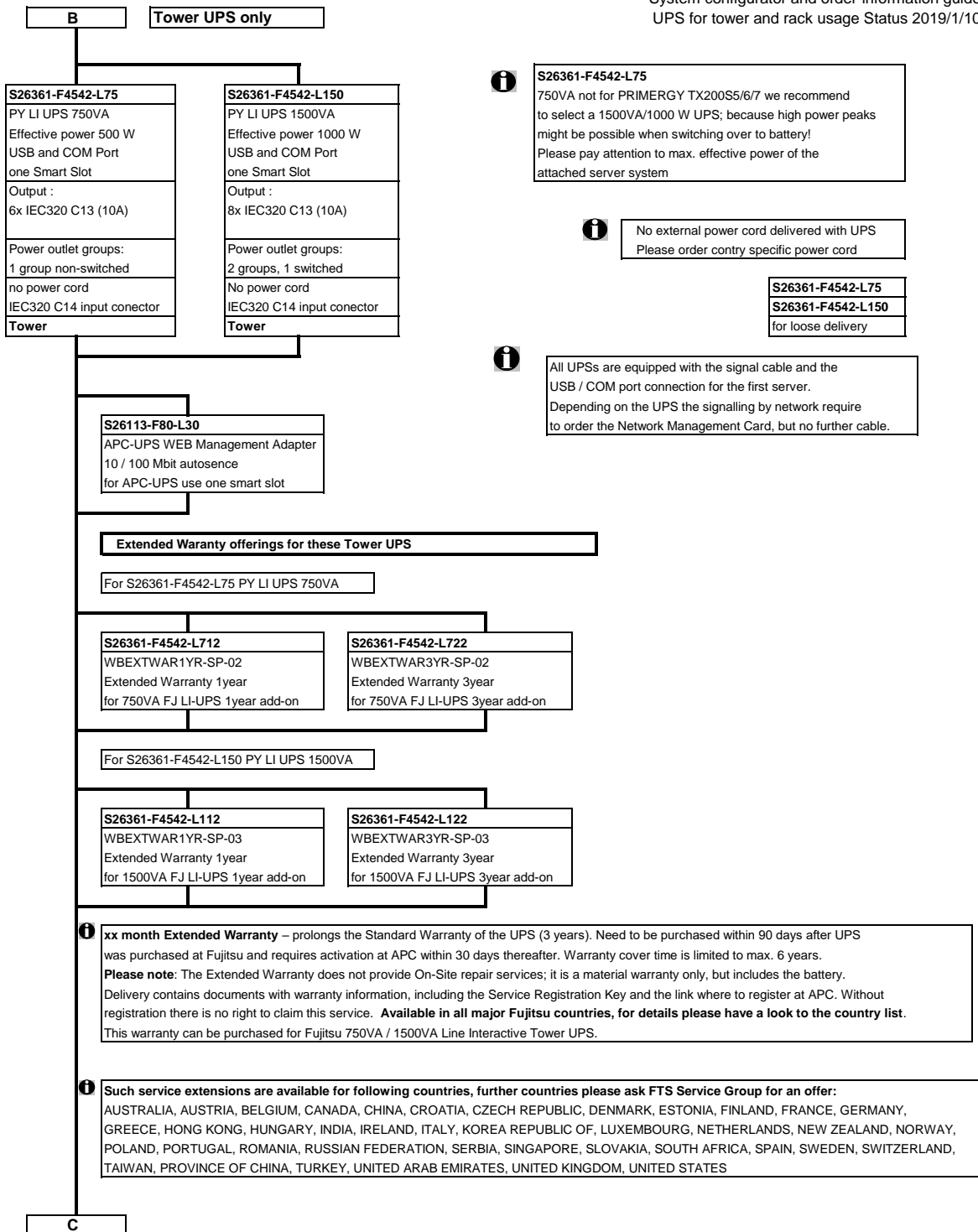
Attention! This UPS does not support 110V - connection

Power cord for following countries:	
1,8m grey 10A	
Only for USV's < 3000 VA possible	
T26139-Y1740-E10	D, A, B, F, NL, FIN, N, S, E, P, RUS, TR
T26139-Y1743-E10	Switzerland
T26139-Y1744-E10	UK, IR
T26139-Y1745-E10	Italy
T26139-Y1746-E10	Denmark
For each UPV can be ordered a power cord.	



For all APC UPS's to 1500 VA you can order country-specific power cords additionally. For the 3000 VA UPS is needed a 16A (IEC320 C20) plug. Here a power cord with safety socket- and UK- plug is provided. The 5000 VA UPS has a 1-phase permanent connection, it must be attached by an electrician.

B



C

Rack- / Tower convertible UPS variants

All UPSs and accessories are delivered in PRIMECENTER M1 Racks with 16 U / 24 U / 42 U Racks in built-in condition, the cabling and installation of carrier rails are afforded.

S26361-K1426-V150
 PY LI UPS 1500VA R/T
 Tower / Rack convertible
 (2U, for 19" racks)
 effective power 1200 W
 black, USB and COM Port with integrated
 Network Management Card one Smart Slot for inst. In 19" rack
 delivery includes:
 stand up feets for Tower Rack Mount Kit (RMK)
 Output :
 8x IEC320 C13 (10A)
 Power outlet groups:
 3 switched outlet groups
 power cord with 10A extension
 IEC320 C14 input conector
occupies 2 U in racks

S26361-K1426-V300
 PY LI UPS 3000VA R/T
 Tower / Rack convertible
 (2U, for 19" rack)
 effective power 2700 W
 black, USB and COM Port with integrated
 Network Management Card one Smart Slot for inst. In 19" rack
 delivery includes:
 stand up feets for Tower Rack Mount Kit (RMK)
 Output :
 8x IEC320 C13 (10A)
 1x IEC320 C19 (16A)
 Power outlet groups:
 3 switched outlet groups
 power cord with 1-phase
 16A IEC309 plug (CEE blue)
occupies 2 U in racks

S26113-F80-L30
 UPS WEB Management Adapter
 10 / 100 Mbit autosenesc
 for UPS use one smart slot

i The Network Management Card occupies a Smart UPS slot in the 1500, 3000 and 5000 VA UPS.

i All UPSs are equipped with the signal cable and the USB- / COM-port connection for the first server.
 All Rackmount types included already the Network Management Card for signaling, a LAN cable needs to be forseen at customer side

i **S26361-K1426-V300**
 incl. Powercord with IEC309 (CEE blue)

i Note: adapter angle is needed for Rack mount only in 700mm wide Fujitsu Racks
 The RMK is part of shipment

S26361-F2735-E15
 Adapter angle PC/DC-Rack,
 till 150kg

Extended Warranty offerings for these Rack- / Tower convertible UPS

For **S26361-K1426-V150 PY LI UPS 1500VA R/T**
 For **S26361-K1426-V300 PY LI UPS 3000VA R/T**

S26361-F4542-L312
 WBEXTWAR1YR-SP-04
 Extended Warranty 1year
 for 1500VA, 3000VA

S26361-F4542-L322
 WBEXTWAR3YR-SP-04
 Extended Warranty 3year
 for 1500VA, 3000VA

i **xx month Extended Warranty** – prolongs the Standard Warranty of the UPS (3 years). Need to be purchased within 90 days after UPS was purchased at Fujitsu and requires activation at APC within 30 days thereafter. Warranty cover time is only 3 years (w/o Extended Warranty), 4 years (w/ Extended Warranty 1 year) and 6 years (w/ Extended Warranty 3 year).
Please note: The Extended Warranty does not provide On-Site repair services; it is a material warranty only, but includes the battery.
 Delivery contains document with warranty information, including the Service Registration Key and the link where to register at APC. Without registration there is no right to claim this service. **Available in all major Fujitsu countries, for details please have a look to the country list.**
 This warranty can be purchased for Fujitsu 1500VA / 3000VA Line Interactive Rack- / Tower convertible UPS.

i **Such service extensions are available for following countries, further countries please ask FTS Service Group for an offer:**
 AUSTRALIA, AUSTRIA, BELGIUM, CANADA, CHINA, CROATIA, CZECH REPUBLIC, DENMARK, ESTONIA, FINLAND, FRANCE, GERMANY, GREECE, HONG KONG, HUNGARY, INDIA, IRELAND, ITALY, KOREA REPUBLIC OF, LUXEMBOURG, NETHERLANDS, NEW ZEALAND, NORWAY, POLAND, PORTUGAL, ROMANIA, RUSSIAN FEDERATION, SERBIA, SINGAPORE, SLOVAKIA, SOUTH AFRICA, SPAIN, SWEDEN, SWITZERLAND, TAIWAN, PROVINCE OF CHINA, TURKEY, UNITED ARAB EMIRATES, UNITED KINGDOM, UNITED STATES

END

Configuration and Order Options for Uninterruptible Power Supplies (UPSs) with Fujitsu brand logo by APC (American Power Conversion)

- Uninterruptible online power supplies (UPSs) as convertible tower / rack units rated at 3000, 5000, 8000 and 10000 VA.
- as well as external battery extensions for increasing the runtime

Following software packages and cables are shipped with each UPS.

1.) Packages for all online UPS till 10.000 VA

- PY Online UPS 3kVA (Tower / Rack 3U) S26361-K915-V302 (Power cord with IEC309 (CEE 16A blue)plug)
- PY Online UPS 5kVA (Tower / Rack 3U) S26361-K915-V502 (hard wired, 1-phase)
- PY Online UPS 8kVA (Tower / Rack 6U) S26361-K915-V802 (hard wired 1- phase or 3- phase selectable)
- PY Online UPS 10kVA (Tower / Rack 6U) S26361-K915-V102 (hard wired 1- phase or 3- phase selectable)
- PY Online UPS Battery Ext. 3kVA (Tower / Rack 2U) S26361-K915-V5, for PY Online UPS 3KVA
- PY Online UPS Battery Ext. 5kVA (Tower / Rack 3U) S26361-K915-V3, for PY Online UPS 5kVA
- PY Online UPS Battery Ext. 8-10kVA (Tower / Rack 3U) S26361-K915-V4, for PY Online UPS 8KVA and 10kVA

included in each UPS package (refer above) :

- Power cord with IEC309 (CEE 16A blue) for the 3000 VA , for 5000 VA and above, you need a hard wired single phase connection made by an electrician according to the VDE standards, no power cord is delivered
- Power cord (up to 4x) with IEC 320 C13 connector to the outlet of the UPS
- Power cord (up to 2x) with IEC 320 C19 connector to the outlet of the UPS
- APC Configuration Wizard on CD-Rom
- CD-Rom with PowerChute Network shutdown >= 3.0.1, including 24 Traps on CD for all UPS

OS list for LAN connectivity by help of APC PowerChute Network Shutdown (PCNS) v4.2 on CD in the Box

Uses the embedded Web Management card available in all PY Uonline UPS

Windows Server Operating Systems

- Windows Server 2016
- Windows Server 2012 R2
- Windows Server 2012
- Windows Server 2008 R2

Linux Enterprise OS

- Red Hat Enterprise Linux 5 32-bit and 64-bit
- Red Hat Enterprise Linux 5 [KVM / XEN] 64-bit
- Red Hat Enterprise Linux 6 32-bit and 64-bit
- Red Hat Enterprise Linux 6 [KVM] 64-bit
- Red Hat Enterprise Linux 7 64-bit
- Red Hat Enterprise Linux 7 [KVM] 64-bit
- SUSE Linux Enterprise Server 11 32-bit and 64-bit
- SUSE Linux Enterprise Server 12 32-bit and 64-bit

VMware

- ESXi 5.1 (inc. FT)
- ESXi 5.5
- ESXi 6.0
- ESXi 6.5

Citrix

- Xen Server 7 on selected PRIMERGY systems only

Solaris 10 and 11 supported on SPARC Enterprise servers

Further OS support and hints please have a look into actual release compatibility chart of APC PCNS

On the Server Start CD-Rom, distributed with every Primergy Server, are the agents for Server View.

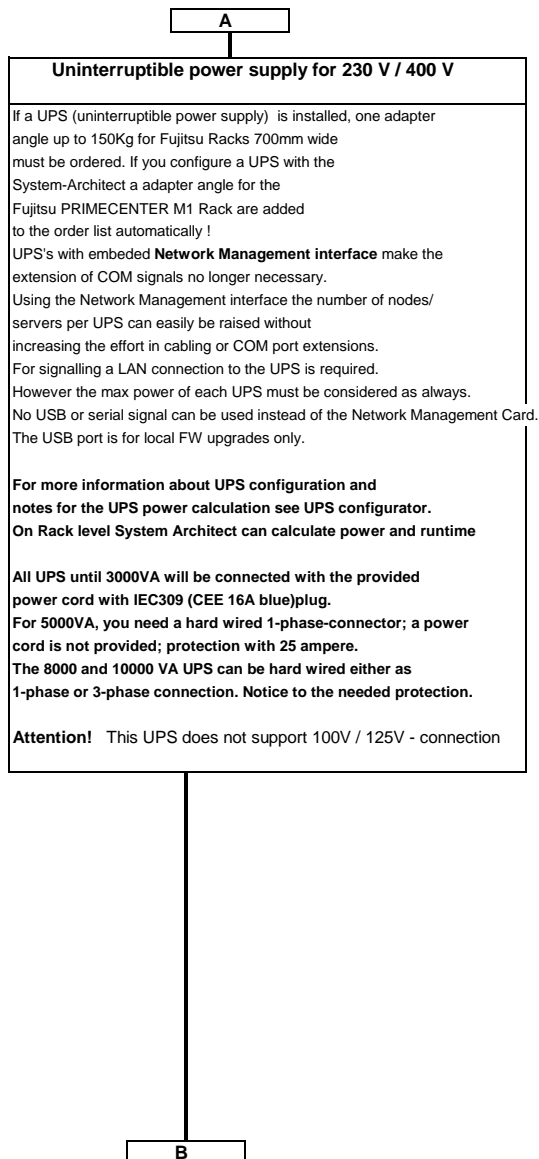
The APC Products are integrated in Server View and Server Start.

For communication and management of UPS a Ethernet connection is required to be connected to the LAN connector.

Signaling and UPS Management via LAN, no serial or USB connections release with this new UPS generation.

USB port is for FW upgrade only.

Power cable joints to the servers are required.



For the 3000 VA UPS is needed a 16A (IEC320 C20) plug. Here a power cord with IEC309 (16A CEE blue) is provided. The 5000 VA UPS has a 1-phase permanent connection, it must be attached by an electrician.



COM port or USB access is not supported Gen2 Online UPS via LAN port and by PCNS Management SW.

B Floor / Rack PY Online UPS variants

PY Online UPS are Tower / Rack convertible
Every basic units includes the stand up feet's for a Tower version, ordering of the rack mount rail kit allows the installation in 19" racks.
 LED front panel can be rotated 90°
 These PY Online UPS are real Double Conversion Online UPS
 Classified as VFI UPS (Voltage and Frequency Independent)
 Runtime can be increased, by using up to 4x external battery packs
 Automatic and manual Bypass, FW flash able, Hot Plug batteries,
 Circuit breakers for output, etc....

S26361-K915-V302
 PY Online UPS 3kVA /2.7kW
 based on FJRT3KXLI
 Tower / Rack convertible
 effective power 2700 W
 black,with integrated network management interface, LCD display, one free Smart Slot built in automatic bypass
 stand up feet's for Tower incl. 2U in 19" racks
 Output :
 8x IEC320 C13 (10A)
 2x IEC320 C19 (16A)
 Power outlet groups:
 2 switched outlet groups
 Input :
 power cord with 1-phase
 16A IEC309 plug (CEE blue)
occupies 2U in racks

S26361-K915-V502
 PY Online UPS 5kVA / 4,5kW
 based on FJRT5KXLI
 Tower / Rack convertible
 effective power 4.500 W
 black,with integrated network management interface, LCD display, one free Smart Slot built in automatic bypass
 stand up feet's for Tower incl. 3U in 19" racks
 Output :
 6x IEC320 C13 (10A)
 4x IEC320 C19 (16A)
 Power outlet groups:
 2 switched outlet groups
 Input :
 1-phase hard wiring
 trough electrician needed
occupies 3U in racks

S26361-K915-V802
 PY Online UPS 8kVA / 8kW
 based on FJRT8KXLI
 Tower / Rack convertible
 effective power 8.000 W
 black,with integrated network management interface, LCD display, one free Smart Slot built in automatic bypass
 stand up feet's for Tower incl. 6U in 19" racks
 Output :
 6x IEC320 C13 (10A)
 4x IEC320 C19 (16A)
 binding post for hard wiring
 Power outlet groups:
 3 switched outlet groups
 Input :
 1- or 3-phase connection selectable, hard wiring trough electrician needed.
 automatic switching, in case of 1 phase failure to 1-phase operation
 Dual input for bypass option to second input source
occupies 6U in racks

S26361-K915-V102
 PY Online UPS 10kVA / 10kW
 based on FJRT10KXLI
 Tower / Rack convertible
 effective power 10.000 W
 black,with integrated network management interface, LCD display, one free Smart Slot built in automatic bypass
 stand up feet's for Tower incl. 6U in 19" racks
 Output :
 6x IEC320 C13 (10A)
 4x IEC320 C19 (16A)
 binding post for hard wiring
 Power outlet gr
 3 switched outlet groups
 Input :
 1- or 3-phase connection selectable, hard wiring trough electrician needed.
 automatic switching, in case of 1 phase failure to 1-phase operation
 Dual input for bypass option to second input source
occupies 6U in racks

S26361-F3151-L500
 Power Cord IEC320 C19 -> US NEMA L6-20p 4M
 This allows to connect the 3kVA UPS to a dual phase mains input >=200 Volt

S26361-K915-V5
 PY Online UPS battery extension 3kVA, external
 Runtime extension for longer autonomous time, based on FJRT96BP, for all PY Online UPS rated 3KVA
 Tower / Rack convertible; stand up feet's for Tower incl. connection cables to the UPS are included
occupies 2U in racks
max 4x per UPS

S26361-F2262-E500
 UPS PDU 50A 2U,6x16A+4x10A IEC320
 Power distribution unit for UPS hard wire output
 For PC/APC Online UPS and Runtime expansion modules
occupies 2U in racks
S26361-F2735-E131
 Dummy panel plastics, 2 U + assembly
S26361-F2735-E15
 adapter angle up to 150KG

S26361-K915-V3
 PY Online UPS battery extension 5kVA, external
 Runtime extension for longer autonomous time, based on FJRT192BP, for all PY Online UPS rated 5KVA
 Tower / Rack convertible; stand up feet's for Tower incl. connection cables to the UPS are included
occupies 3U in racks
max 4x per UPS

S26361-K915-V4
 PY Online UPS battery extension 8-10kVA, external
 Runtime extension for longer autonomous time, based on FJRT192BP2, for all PY Online UPS rated from 8KVA to 10KVA
 Tower / Rack convertible; stand up feet's for Tower incl. connection cables to the UPS are included
occupies 3U in racks
max 4x per UPS

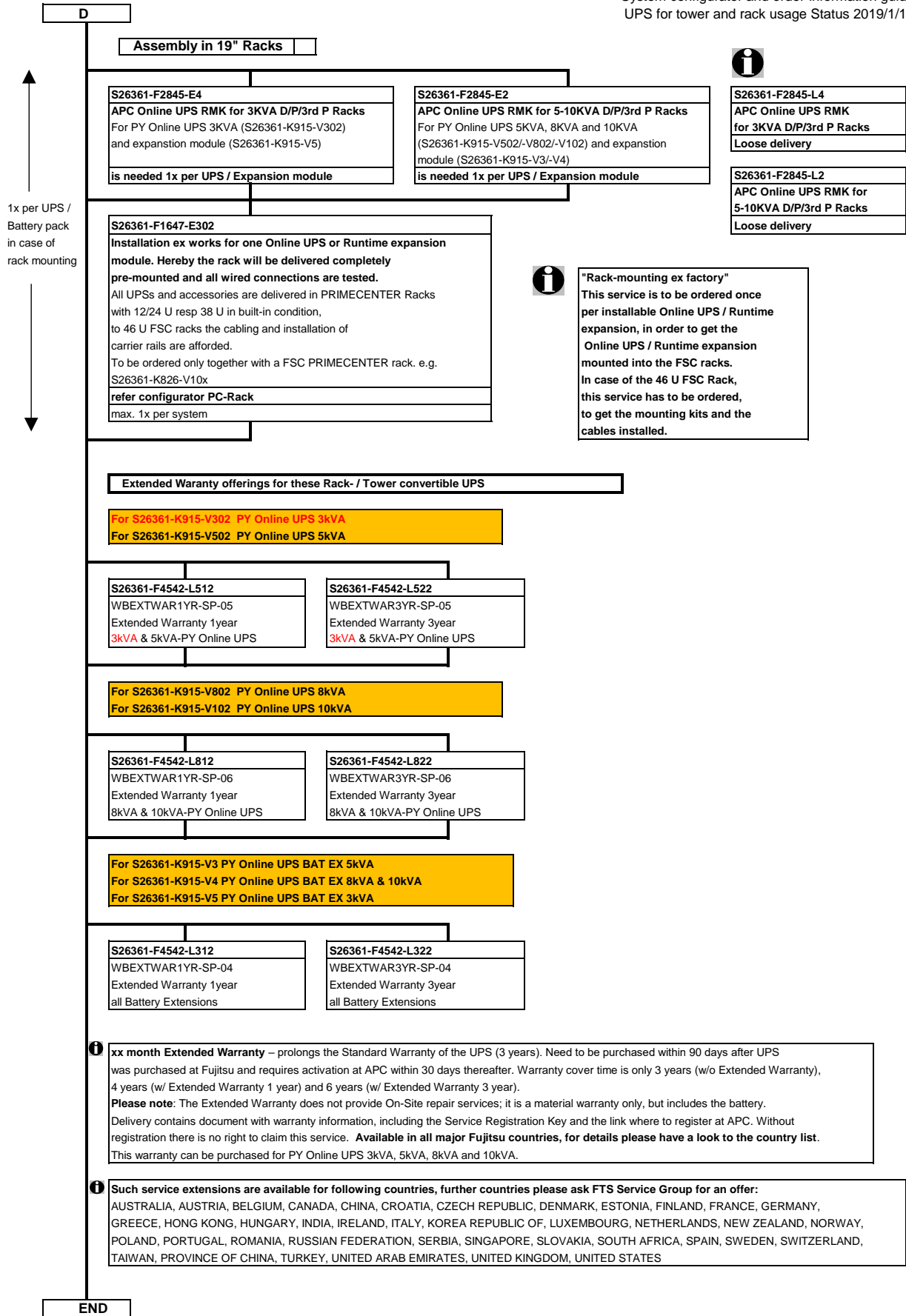
↑ max.4x per UPS

↑ max.4x per UPS

i Order number for loose deliveries
 All UPS and Battery expansion units are basic units and can be ordered either for "loose" or for "assembly" purposes with the same order number.

i **S26361-F2262-L500**
 UPS PDU 50A 2U,6x16A+4x10A IEC320
Loose delivery
 Connection at customer side has to be done by an electrician.

D



Information about Smart USV in the internet see:

<https://partners.ts.fujitsu.com/com/products/p/srv/primergy/rackcomp/Pages/usv.aspx>

Changereport

Date	Ordernumber	Changes
2019-01-10		EOL products deleted Object products of UPS Warranty Extension corrected OS list updated
2018-03-22		corrected the description for PY Gen2 Online UPS Battery Extension for 3kVA (3U -> 2U)
2017-12-01		corrected the description for UPS Warranty Extension
2017-02-07	S26361-K915-V301	EOL and deleted from configurator
2017-02-07	S26361-F2845-- E2/L2/E4/L4	New RMK added on "Gen2-Online" tab
2016-11-17	S26113-F442-E50	sheet "Line interactive APC" removed; since 2015 no UPS available
2016-11-16	S26361-F4542-L5x2 / S26361-F4542-L8x2	some text errors corrected
2016-01-14	S26361-F4542-L5x2 / S26361-F4542-L8x2	New add-on warranties for PY Online UPS & updates of add-on warranties relations for all LI-UPS / Online UPS
2015-08-12	S26361-K915-V200 / V2	EOL and deleted from configurator
2015-07-10	S26361-K915-V501 / V801 / V100	EOL and deleted from configurator
2014-12-15		updates for EOL / First Release datas
2014-10-28	S26361-K915-V5	Added 3kVA Battery Extension Unit for new GEN2 Online 3KVA UPS
2014-08-15		Extended Renewal warranty will not be released
2014-07-31		Draft first input Gen" Online UPS with Fujitsu front bezel
2014-07-31		EOL hint for 5kVA Line Interactive and 20kVA Online UPS
2013-04-13		added warranty offer for Line Interactive UPS
2012-11-27		complete re-work and added specific OS versions
2011-10-13		Adding new Fujitsu Line Interactive UPS, rework APC UPS
2011-07-27		Delete COM-Port Card, Cables and connections as well as classic Rack support
2011-07-27	S26113-F80-L30	Change S26113-F80-L10 to new card S26113-F80-L30
2010-03-30		new hint for 750 VA UPS
2009-01-15		some minor changes in wordings
2008-10-21		Online UPS without serial management, W2K8 OS added
2008-06-11	S26361-K915-V200 / V2	20kVA UPS and Batterypack added
2008-04-28	S26361-F3151-L500	Power cord for 3kVA UPS and dual phase mains connection added (input >=200Volt)
2008-04-28	S26361-K915-V301	New Online UPS added with DSP (digital signal processor) technology
2008-04-28	S26361-K915-V501	New Online UPS added with DSP (digital signal processor) technology
2008-02-18	S26113-E442-E/L50	New Rack / Tower convertibel UPS added, plus 3U adapetr angle, SW description changed
2006-11-27	S26361-K915-V80	APC -Online UPS rated8.0KVA effective power 6.4 kW - as soon as available
2005-12-20	S26113-F232-E1	APC-UPS COM Cable SCO,UnixWare+ass.PCR - no longer available
2005-12-20	S26113-F82-E1	APC-UPS Slot extension box +assembly PCR - no longer available
2005-06-20		Update OS mapping for interface cabling via RS-232
2005-04-27	S26113-E399-L1	APC-UPS 3000 VA (Floorstand) - no longer available
2004-11-09	S26113-E390-L1	APC - USV with 700VA black, USB and COM Port - no longer available
2004-07-23		Some released operating systems changed
2004-03-24		Some released operating systems changed
2004-02-09	S26113-E390-L750	APC - USV with 750VA black, USB and COM Port - as soon as available
2004-01-26	S26361-K915-V100 / V75	Description connection panel changed
2003-11-14	S26361-K915-V100	APC -Online UPS rated10KVA effective power 8000 W - now available
2003-11-14	S26361-K915-V75	APC -Online UPS rated7.5KVA effective power 6000 W - now available
2003-09-23	SNP:PS-E421E1-P/ -L1-P	APC-UPS 3000 VA (3U, for 19" rack) - no longer available
2003-06-25		Online UPS included