



# UPS for tower and rack usage

***System configurator and order-information guide***

**July 2017**

## **Contents**

Configurator diagram Line Interactive UPS APC  
Configurator diagram Line Interactive UPS Fujitsu  
Configurator diagram Online UPS  
Configurator diagram Gen2 Online UPS Fujitsu  
Data Sheets Smart UPS for PRIMERGY Servers  
Change Report



**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 Busines Edition (PCBE) v9.0.1 on CD in the Box

Windows Server Operating Systems

- Windows Server 2012
- Windows Server 2008 R2

Linux Enterprise OS

- Red Hat Enterprise Linux 5 32-bit and 64-bit
- Red Hat Enterprise Linux 6 32-bit and 64-bit
- SUSE Linux Enterprise Server 10 32-bit and 64-bit
- SUSE Linux Enterprise Server 11 32-bit and 64-bit

#### Further OS support and hints please have a look into actual relase 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) v3.0.1 on CD in the Box

Uses the installed Web Management card in the UPS

Windows Server Operating Systems

- 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
- SUSE Linux Enterprise Server 10 32-bit and 64-bit
- SUSE Linux Enterprise Server 11 32-bit and 64-bit
- SUSE Linux Enterprise Server 11 [XEN] 64-bit

VMware Hypervisor

- ESX 4.0 (inc. FT)
- ESX 4.1 (inc. FT)
- ESXi 4.1 Installable (inc. FT)
- ESXi 5.0 (inc. FT)
- ESXi 5.1 (inc. FT)

Citrix

- Xen Server 5.6 on selected PRIMERGY systems only

Solaris 10 and 11 suported on SPARC Enterprice servers

#### Further OS support and hints please have a look into actual relase 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 autosence 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.**

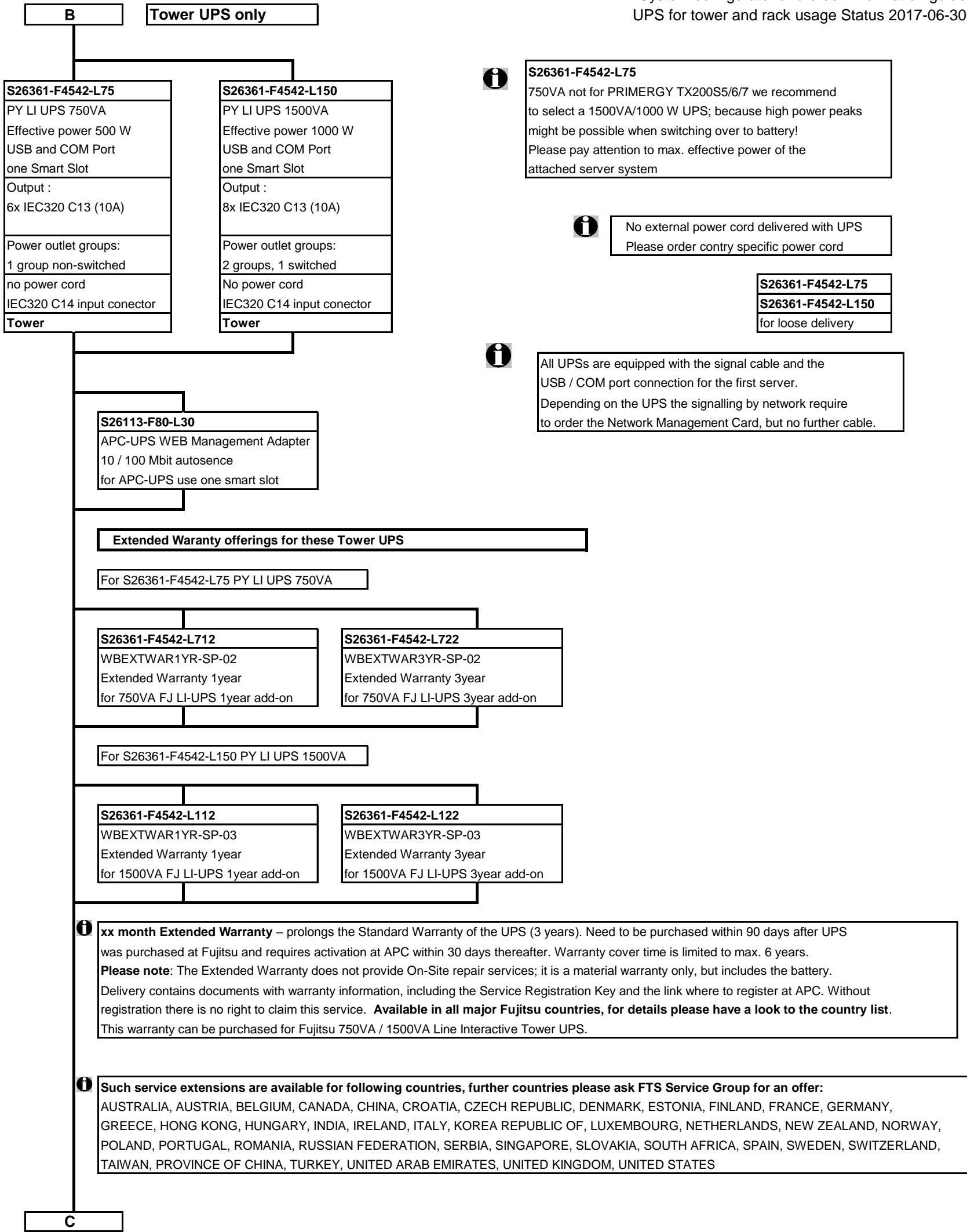
**Attention!** This UPS does not support 110V - connection

<b>Power cord for following countries:</b>	
1,8m grey 10A	
<b>Only for USV's &lt; 3000 VA possible</b>	
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 autosence  
 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

**S26361-F4542-L112**  
 WBEXTWAR1YR-SP-03  
 Extended Warranty 1year  
 for 1500VA FJ LI-UPS 1year add-on

**S26361-F4542-L122**  
 WBEXTWAR3YR-SP-03  
 Extended Warranty 3year  
 for 1500VA FJ LI-UPS 3year add-on

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

**S26361-F4542-L312**  
 WBEXTWAR1YR-SP-04  
 Extended Warranty 1year  
 3kVA-UPS and all Battery Extensions

**S26361-F4542-L322**  
 WBEXTWAR3YR-SP-04  
 Extended Warranty 3year  
 3kVA-UPS and all Battery Extensions

**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 limited to max. 6 years.  
**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 ) from 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 20.000 VA
  - APC-Online UPS 3000 VA (Tower / Rack 3U) S26361-K915-V301 (Power cord with IEC309 (CEE 16A blue)plug)
  - APC-Online UPS 5000 VA (Tower / Rack 3U) S26361-K915-V501 (hard wired, 1-phase)
  - APC-Online UPS 8000 VA (Tower / Rack 6U) S26361-K915-V80 (hard wired 1- phase or 3- phase selectable)
  - APC-Online UPS 10.000 VA (Tower / Rack 6U) S26361-K915-V100 (hard wired 1- phase or 3- phase selectable)
  - APC-Online UPS Runtime Extension (Tower / Rack 3U) S26361-K915-V1, for APC Online UPS 3KVA to 10KVA
  - APC-Online UPS 20.000 VA (Stack / Rack 12U) S26361-K915-V200 (hard wired 1- phase or 3- phase selectable for input and output)
  - APC-Online UPS Runtime Extension (Stack / Rack 6U) S26361-K915-V2, for APC Online UPS 20KVA only

### 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
- 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
- Power cord (up to 2x) with IEC 320 C19 connector to the outlet of the UPS
- additionally for 20kVA UPS a railset (UPS + Battery pack) and stacking brackets are included. A reinforced adapter angle has to be purchased additionally.
- APC Configuration Wizard on CD-Rom
- CD-Rom with PowerChute Network shutdown >= 2.2.3, including 24 Traps on CD for all UPS delivered with Network Management Card
  - Windows® 2003 SP1, SP2 Standard/Enterprise/Web/Small Business Server
  - Windows® 2003 SP1, SP2 Standard/Enterprise Edition for x64
  - Windows® 2003 SP2 Enterprise Edition for IA64
  - Windows® 2003 R2, R2 SP2 Standard/Enterprise
  - Windows® 2003 R2, R2 SP2 Standard/Enterprise for x64
  - MS Windows WEB Server 2008
  - MS Windows Server 2008; Standard w/o Hyper-V
  - MS Windows Server 2008; Enterprise w/o Hyper-V
  - MS Windows WEB Server 2008 (x64)
  - MS Windows Server 2008; Standard (x64) w/o Hyper-V
  - MS Windows Server 2008; Enterprise (x64) w/o Hyper-V
  - Red Hat Enterprise Linux AS / ES 4.0, 5.0 for 32bit, x64 and IA64
  - SuSE Professional Linux 9.0, 10.0
  - SuSE Enterprise Server Linux 9.0, 10.0 for 32bit, x64 and IA64
  - Novell Netware 6.0 and 6.5
  - Solaris 8, 9, 10
  - VMWare ESX 2.5 and 3.0

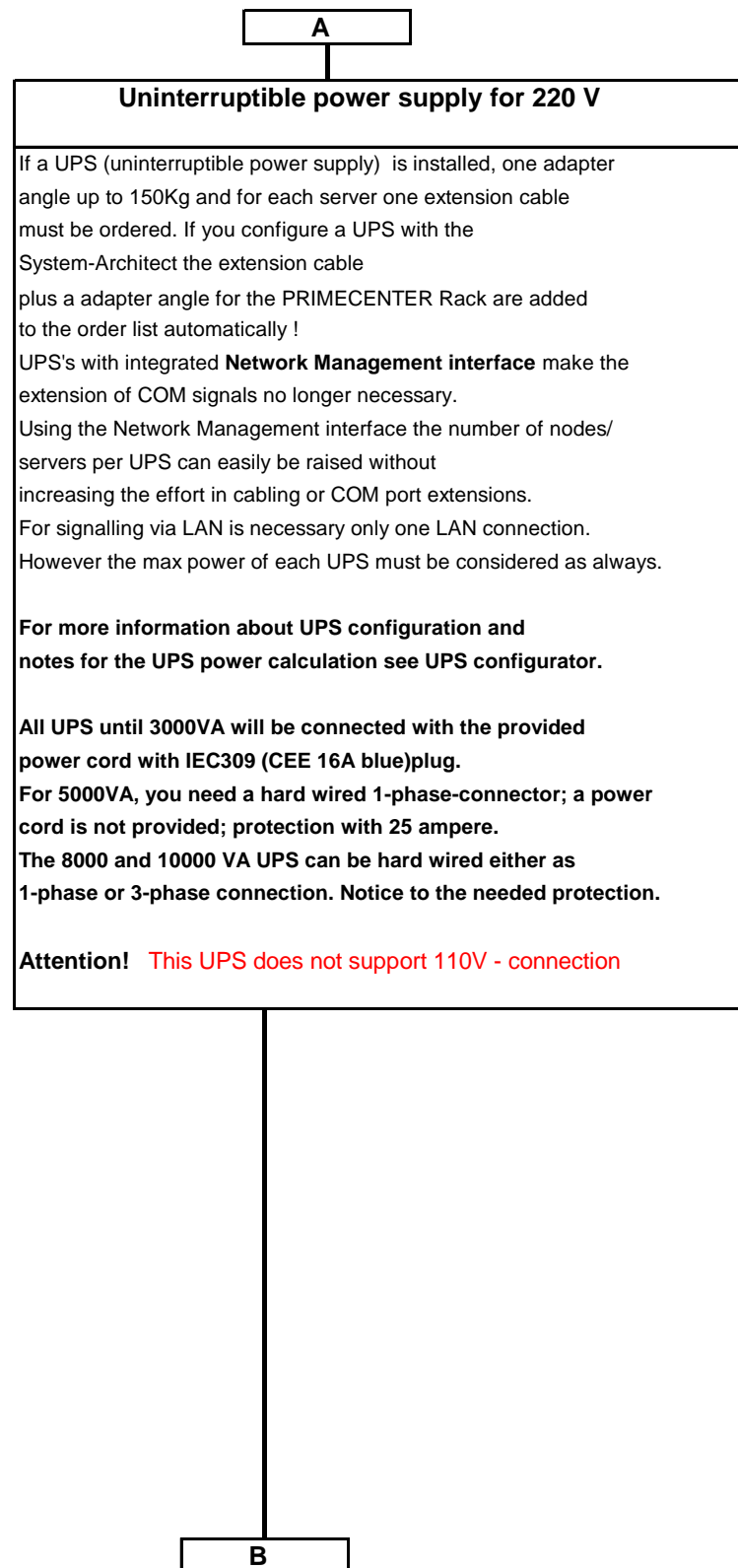
**On the Server Start CD-Rom, distributed with every Primergy Server, are the agents for Server View.**

**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.**

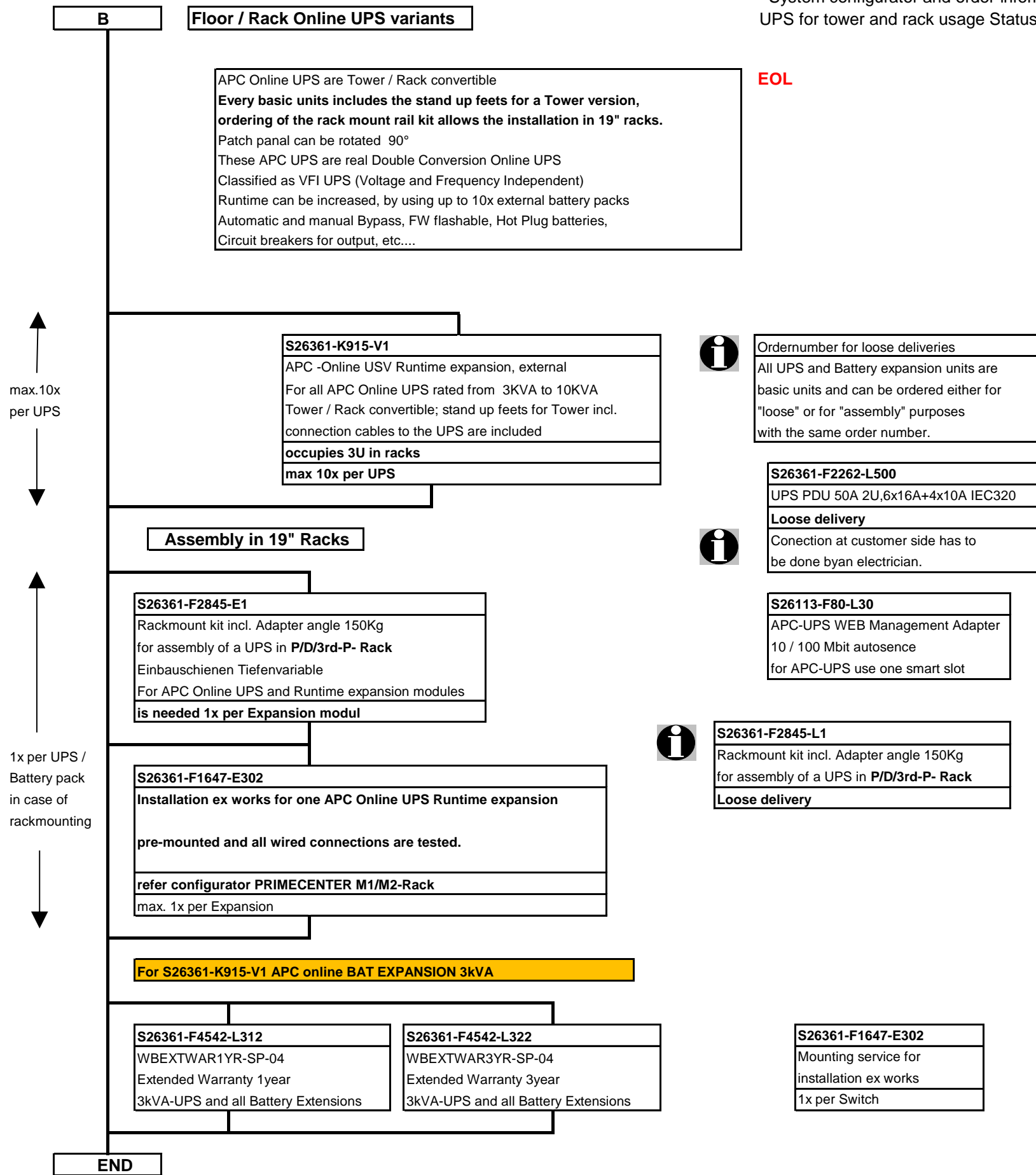
**Cable joints to the servers are required.**

**Signaling and UPS Management via LAN, no serial connections release with new DSP technology**



**i** 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.

**i** **COM port access is not supported for 3kVA up to 20kVA Online UPS by Management SW.**





## 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-V801 (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 3U) 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) v3.0.1 on CD in the Box

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

#### Windows Server Operating Systems

- 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 [KVM] 64-bit
- SUSE Linux Enterprise Server 10 32-bit and 64-bit
- SUSE Linux Enterprise Server 11 32-bit and 64-bit
- SUSE Linux Enterprise Server 11 [XEN] 64-bit
- SUSE Linux Enterprise Server 12 [XEN] 64-bit

#### VMware Hypervisor

- ESX 4.1 (inc. FT)
- ESXi 5.0 (inc. FT)
- ESXi 5.1 (inc. FT)
- ESXi 5.5

#### Citrix

- Xen Server 5.6 on selected PRIMERGY systems only
- Xen Server 6.2 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.**

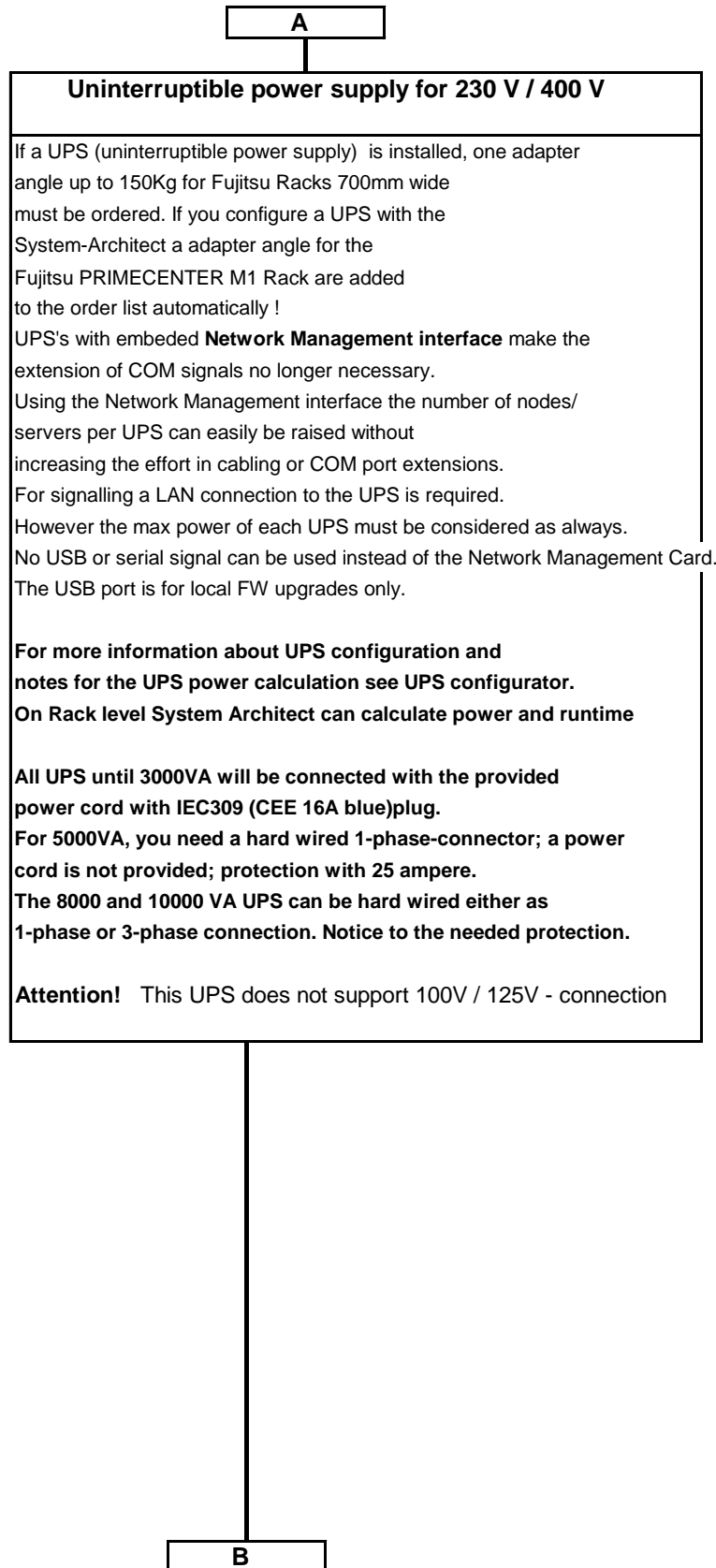
**The APC Products are integrated in Server View and Server Start.**

**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.**

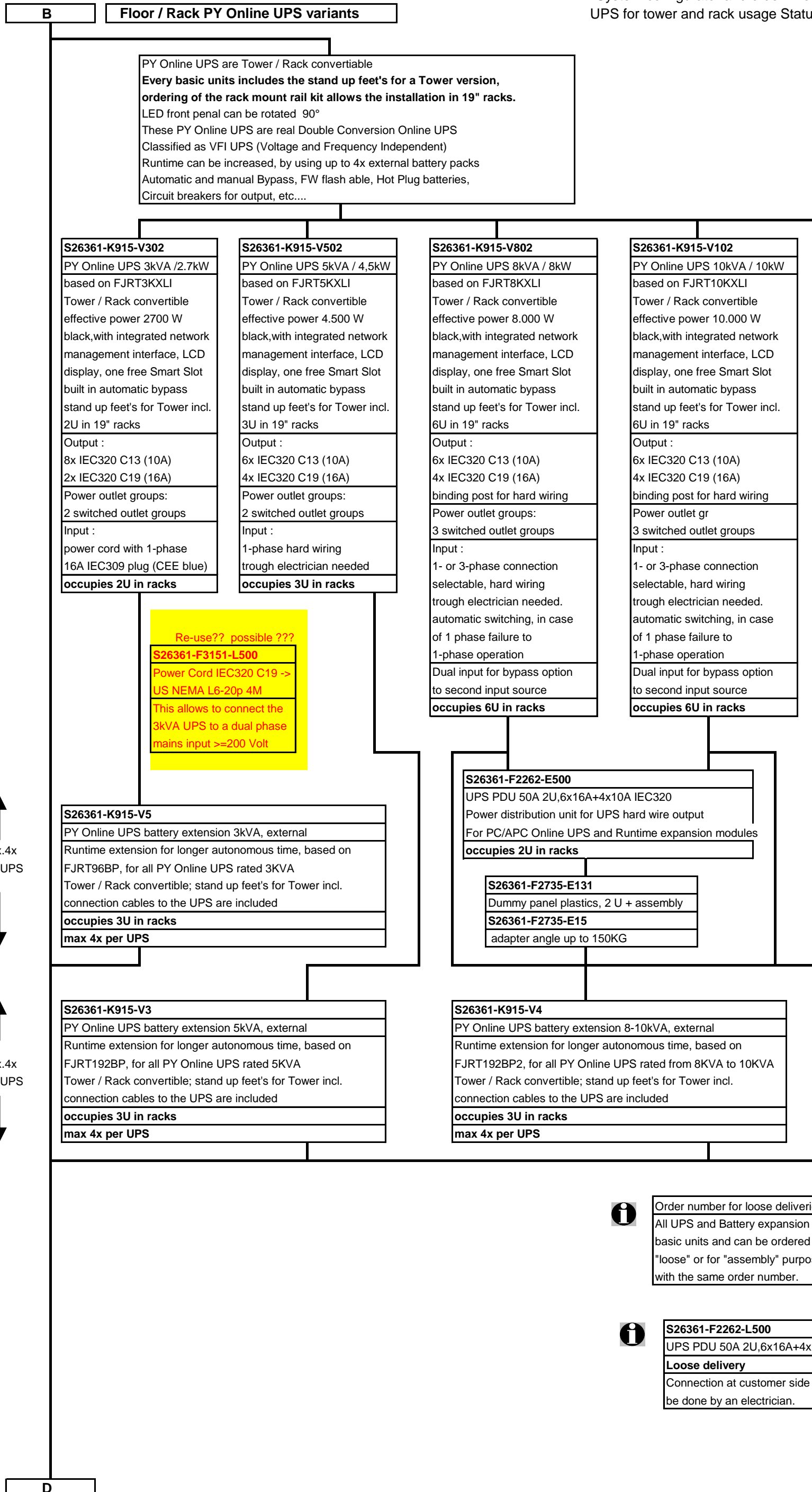
**Power cable joints to the servers are required.**



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.

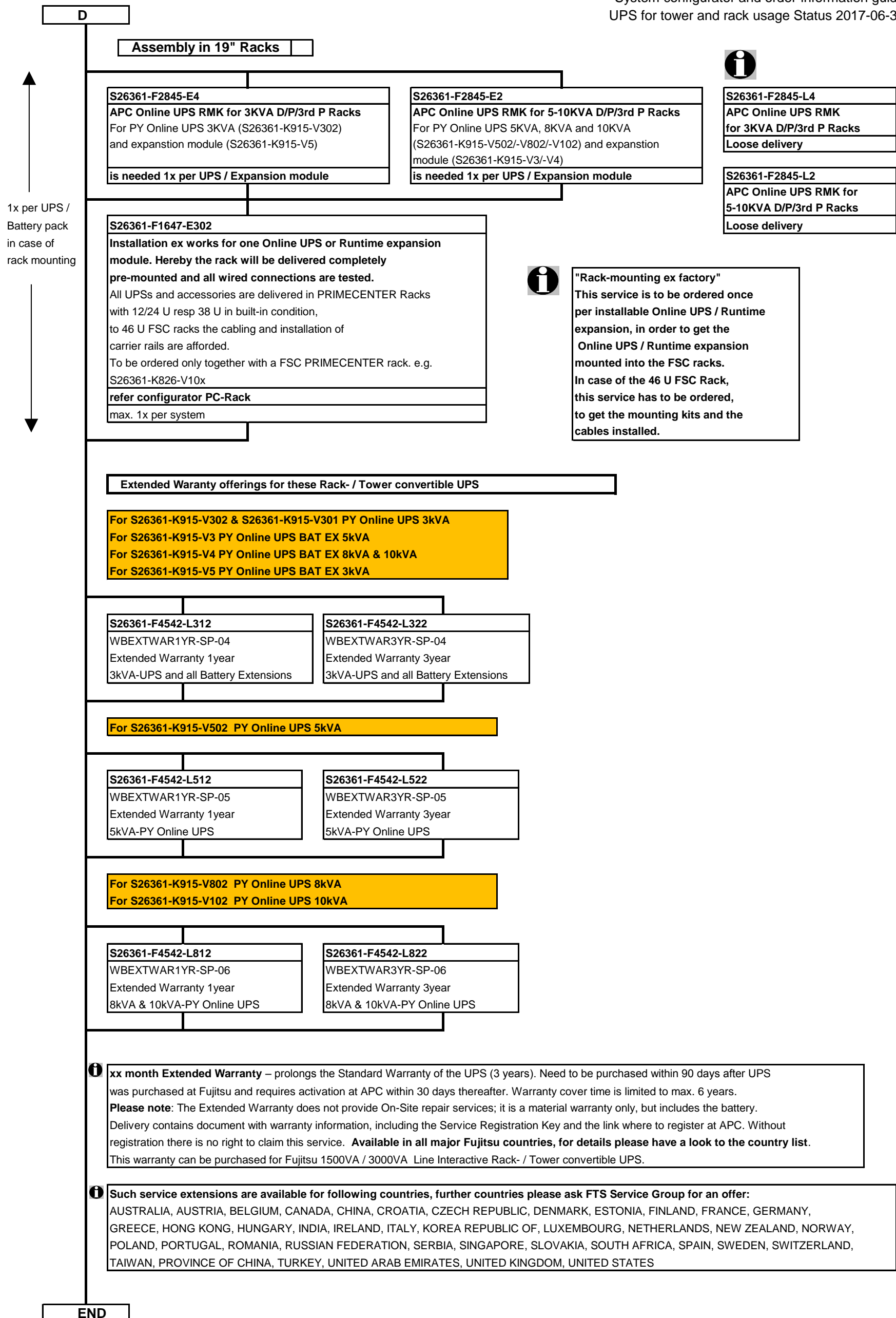


**COM port or USB access is not supported Gen2 Online UPS via LAN port and by PCNS Management SW.**



**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.



**Information about Smart USV in the internet see:**

<https://partners.ts.fujitsu.com/com/products/servers/primergy/rackcomp/components/usv/Pages/default.aspx>

## Changereport

Date	Ordernumber	Changes
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 Reneval waranty 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 waranty offer for Line Interactive UPS
2012-11-27		complete re-work and added specific OS versions
2011-10-13		Addidng 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 / Tover 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