

## PlusPRO 2 Series: Rack/Tower 6-10KVA True Double Conversion 1P/1P



- > High performance true double conversion online UPS 6-10KVA
- > Microprocessor control guarantees high reliability
- > External battery bank to extend backup time (Optional)
- > Power Distribution Unit (PDU) with maintenance bypass switch
- > Low heat dissipation in long time operation
- > Input THDi < 5% / Output THD < 2%
- > Emergency power-off function (EPO)
- > High efficiency mode (ECO mode)
- > Fan speed control and DC start
- > Output voltage regulation < 1%
- > Automatic self-testing function
- > Power management software
- > Output power factor 0.9
- > N+X parallel redundancy and capacity expansion (Optional)

MODEL	PlusPRO 2-6K	PlusPRO 2-10K
CAPACITY	6KVA/5.4KW	10KVA/9KW
<b>INPUT</b>		
Phase	1 Phase 2 Wires with Ground	
Voltage	220/230/240Vac	
Frequency	50Hz or 60Hz (Auto-sensing)	
THDi	< 5% with R Full Load	
<b>OUTPUT</b>		
Phase	1 Phase 2 Wires with Ground	
Voltage	220/230/240Vac	
Voltage Regulation	+/- 1%	
Frequency (Battery Mode)	50Hz or 60Hz +/- 0.05Hz	
Waveform	Pure sinewave	
THD	< 2% (linear load) or < 5% (non-linear load)	
Crest Ratio	3:1	
<b>EFFICIENCY</b>		
To AC Mode	> 92% at full load and battery full charged	
To Battery Mode	> 92% at full load and 12VDC/battery	
ECO Mode	> 96% at full load and battery full charged	
<b>BATTERY</b>		
Type	Maintenance free sealed lead-acid battery	
Voltage	240VDC	
Capacity & Number	12V/7AH*20pcs	12V/9AH*20pcs
Recharge Time	7 hours to 90%	8 hours to 90%
<b>TRANSFER TIME</b>		
Line <-> Battery	0ms	
Inverter <-> Bypass	0ms	
ECO Mode <-> Inverter	< 10ms	
<b>DISPLAY</b>		
LED	Normal (Green), Bypass (Yellow), Fault (Red), Battery (Yellow)	
LCD	Load level, Battery voltage, Battery mode, AC mode, Bypass mode information	
<b>AUDIBLE ALARM</b>		
Battery Mode	Sounding every 4 seconds	
Low Battery	Sounding every second	
Overload	Sounding twice every second	
Fault	Continuous sounding	
<b>COMMUNICATIONS</b>		
Interface (Port)	Dry contact (Optional) ; USB	
Intelligent Slot	Yes, but SNMP card is optional	
EPO	Emergency Power Off	
<b>ENVIRONMENT</b>		
Operating Temperature	0°C - 40°C (32°F - 104°F)	
Humidity	0 - 95% (Non-condensing)	
Acoustic Noise	< 50dB at 1M	
<b>PHYSICAL</b>		
Rack Height of Main UPS	3U	
Main UPS (D*W*H)	610*440*135mm	
Rack Height of Battery Bank	3U	
Battery Bank (D*W*H)	610*440*135mm	

\*Product specifications are subject to change without further notice.

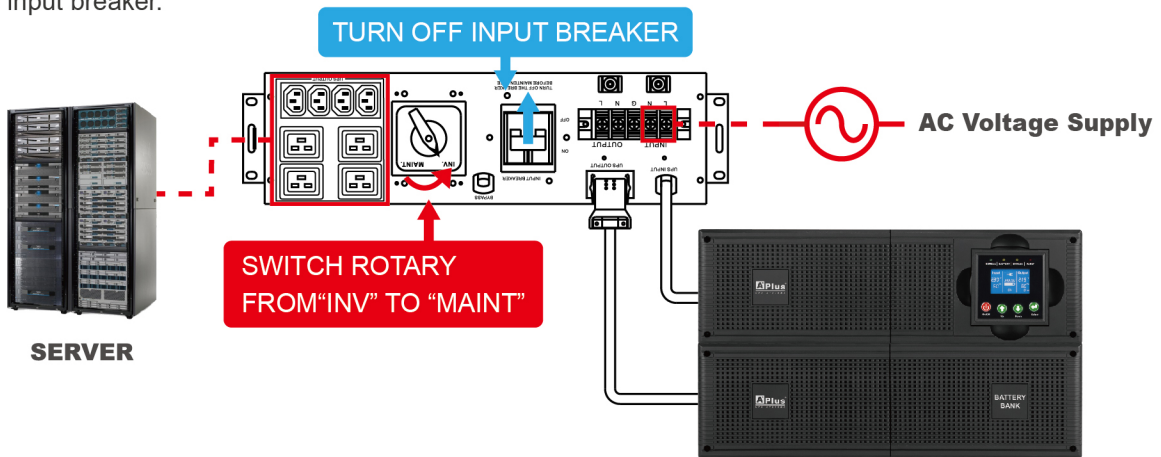
# POWER DISTRIBUTION UNIT (PDU) FOR PlusPRO 2 SERIES ON LINE UPS

A "Power Distribution Unit (PDU)" is a device fitted with multiple outputs designed to distribute electric power, especially to racks of computers and networking equipment located within a data center.

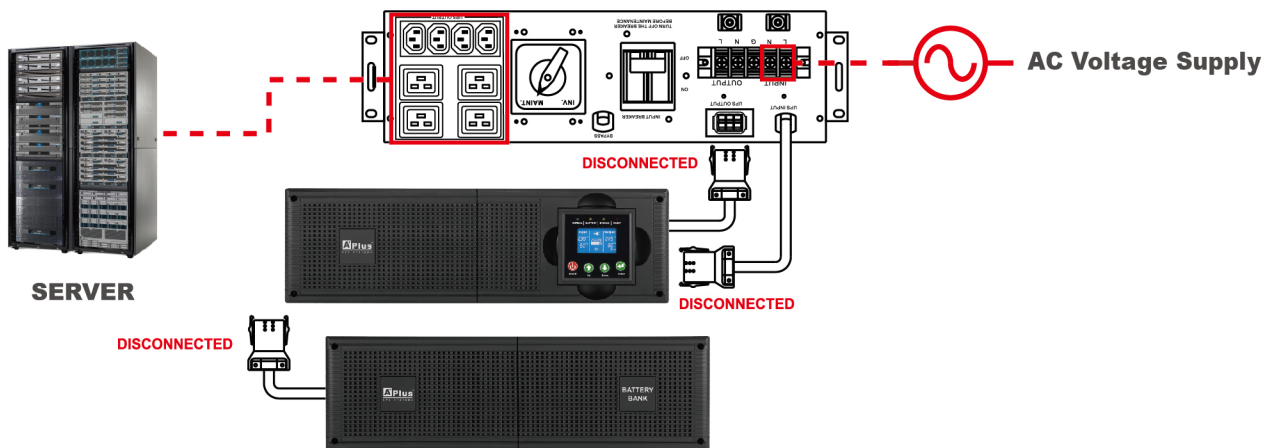
- › With PDU, it provides continuous power to connected equipments during maintenance via a simple rotary switch.
- › With PDU, users or engineers do not need to unplug all connected devices anymore when UPS is going with regular maintenance. When UPS comes back from regular maintenance, engineers can simply assemble PDU with UPS and do not need to make wire connection to city utility again. It efficiently saves cost and labor hours on UPS maintenance.
- › With PDU, On Line UPS system becomes hot-swappable.

## PDU Quick Guide for Online UPS PlusPRO 2 Series Rack/Tower 6-10KVA

Make sure UPS is under Bypass mode for safety purpose. Rotate maintenance bypass switch from "INV" to "MAINT", then turn off the input breaker.



Disconnect the cable of Main UPS from PDU and battery bank. Users do not need to remove loadings from PDU module during the whole process.



After Main UPS is uninstalled, Main UPS will be available to service center for repair. Individual PDU module will keep supplying AC power to loadings without interruption.

