

MODEL	UPS-PT010-I080-D0	UPS-PT020-I080-D0	UPS-PT030-E-D0 UPS-PT030-I160-E0	UPS-PT040-E-D0 UPS-PT040-I160-E0	UPS-PT060-E-D0 UPS-PT060-I160-E0
<b>GENERAL DATA</b>					
Product name	PremiumTower™ UPS				
Topology/Technology	Online double conversion				
<b>INPUT</b>					
<b>MAINS</b>					
Input Wiring	3Ph+N+PE				
Rated Voltage	380/400/415Vac				
Voltage Range	For loads <100% (-25%, +20%)   <80% (-32.5%, +20%)   <60% (-35%, +20%)				
Input Frequency	40-70 Hz				
Total Harmonic Distortion	THDi<3% for linear load, THDi<5% for nonlinear load				
Input Power Factor	0.99				
<b>BYPASS</b>					
Input Wiring	3Ph+N+PE				
Rated Voltage	380/400/415 Vac				
Change over tolerance	±30...±10% (Voltage) (According to VFI-SS-111)				
Input Frequency	50/60 ±2/4% (selectable)				
<b>BATTERY</b>					
Rated Voltage	360-480 Vdc (the number of batteries can be selected )				
Internal Batteries (7/9Ah)	I 080: 80	I 080: 80	E External   I160: 160	E External   I160: 160	E External   I160: 160
Type	Lead-Acid/NiCad/Lithium				
Blocks [LA]/Cells[NiCad]	<b>Flexible: 30...50</b>				
Charger (Amp)	20	20	40	40	40
<b>OUTPUT</b>					
<b>INVERTER</b>					
Output Wiring	3Ph+N+PE				
Nominal Power [kVA]	10	20	30	40	60
Nominal Power [kW]	10	20	30	40	60
Voltage	380/400/415 Vac±1%				
Frequency	Tracking the bypass input (Online Mode); 50/60 Hz±0.1% (Battery Mode)				
Waveform	Sine wave (THDv < 2% for linear load; THDv<3% for non-linear load)				
Output Power Factor	1				
Efficiency	<b>96.6%</b>				
Overload Capacity	<b>Inverter &lt; 120% continuous; ≥ 120% for 10 min; ≥150% for 1 min   Bypass 135% for long term; &lt;1000% for 100ms</b>				
Short circuit capability	<b>3 x IN</b>				
<b>BYPASS</b>					
Efficiency	<b>99.4%</b>				
<b>ENVIRONMENT</b>					
Operating Temperature	0-40°C (No power derating)				
Storage Temperature	-40-70°C				
Relative Humidity	0%-95% (No condensing)				
Maximum Operating Altitude	1000 m. Above 1000 m, derating 1% for each additional 100 m				
Audible Noise	< 65dB				
<b>OTHERS</b>					
Dimensions (H x W x D) [mm]	<b>D0</b> 1075 x 350 x 850   <b>E0</b> 1725 x 520 x 850				
Weight [Kg] without batteries	<b>D</b> 80   <b>E</b> 105				
Colour / Protection Level	<b>RAL</b> 9017 (traffic black) / IP20				
Certifications	EN/IEC 62040-1   EN/IEC 62040-2   EN/IEC 62040-3   CE   RoHS				
Communications	<b>Std</b> 1 x RS232, 2 x Dry In, 1 x Dry Out, 2x Expansion slots. <b>Option</b> 5 x Dry Output contacts, 4 x Dry Input contacts, Bluetooth, SNMP Slot				

MODEL	UPS-PT080-E30-F0 UPS-PT080-E40-F0	UPS-PT100-E30-F0 UPS-PT100-E40-F0	UPS-PT120-E30-F0 UPS-PT120-E40-G0	UPS-PT160-E30-G0 UPS-PT160-E40-G0	UPS-PT200-E30-H0 UPS-PT200-E40-H0	UPS-PT250-E40-H0
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### GENERAL DATA

Product name	PremiumTower™ UPS
Topology/Technology	Online double conversion

### INPUT

MAINS	
Input Wiring	3Ph+N+PE
Rated Voltage	380/400/415Vac
Voltage Range	For loads <100% (-25%, +20%), <80% (-32.5%, +20%), <60% (-35%, +20%)
Input Frequency	40-70 Hz
Total Harmonic Distortion	THDi<3% for linear load, THDi<5% for nonlinear load
Input Power Factor	0.99
BYPASS	
Input Wiring	3Ph+N+PE
Rated Voltage	380/400/415 Vac
Change over tolerance	±30...±10% (Voltage) (According to VFI-SS-111)
Input Frequency	50/60 ±2/4% (selectable)

BATTERY	
Rated Voltage	360-480 Vdc (the number of batteries can be selected)
Type	Lead-Acid/NiCad/Lithium
Blocks [LA] /Cells[NiCad]	<b>Flexible: 30...50</b>   <b>E30</b> Minimun 30 blocks (flexible from 30 to 50) / <b>E40</b> Minimun 40 blocks (flexible from 40 to 50)
Charger (Amp)	TBA

### OUTPUT

INVERTER	
Output Wiring	3Ph+N+PE
Nominal Power [kVA]	80                      100                      120                      200                      160                      250
Nominal Power [kW]	80                      100                      120                      200                      160                      250
Voltage	380/400/415 Vac±1%
Frequency	Tracking the bypass input (Online Mode); 50/60 Hz±0.1% (Battery Mode)
Waveform	Sine wave (THDv < 2% for linear load; THDv<3% for non-linear load)
Output Power Factor	1
Efficiency	<b>96.6%</b>
Overload Capacity	<b>Inverter &lt; 124% continuous; ≥ 125% for 10 min; ≥150% for 1 min   Bypass 135% for long term; &lt;1000% for 100ms</b>
Short circuit capability	<b>3 x IN</b>
BYPASS	
Efficiency	<b>99.4%</b>

### ENVIRONMENT

Operating Temperature	0-40°C (No power derating)
Storage Temperature	-40-70°C
Relative Humidity	0%-95% (No condensing)
Maximum Operating Altitude	1000 m. Above 1000 m, derating 1% for each additional 100 m
Audible Noise	< 65dB

### OTHERS

Dimensions (H x W x D) [mm]	<b>F0</b> 1985 x 600 x 600   <b>G0</b> 1985 x 730 x 600   <b>H0</b> 1985 x 850 x 600
Weight [Kg] without batteries	-
Colour / Protection Level	TBA / IP20
Certifications	EN/IEC 62040-1; EN/IEC 62040-2; EN/IEC 62040-3; CE; RoHS
Communications	<b>Std</b> 1 x RS232, 2 x Dry In, 1 x Dry Out, 2x Expansion slots. <b>Option</b> 6 x Dry Output contacts, 4 x Dry Input contacts, Bluetooth, SNMP Slot