

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				
Max Power [kVA/kW]	10	20	30	40	60
<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 non-linear 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>					
Type	Lead-Acid/NiCad/Lithium				
Rated Voltage	360-480 Vdc (the number of batteries can be selected )				
Internal Batteries (7/9Ah)	I080 80	I080 80	E External   I160 160	E External   I160 160	E External   I160 160
Blocks [LA]/Cells[NiCad]	Flexible: 30...50				
Charger (Amp)	20	20	40	40	40
<b>OUTPUT</b>					
<b>INVERTER</b>					
Nominal Power [kW]	10	20	30	40	60
Output Wiring	3Ph+N+PE				
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	96,6%				
Overload Capacity	Inverter < 120% continuous; ≥ 125% for 10 min; ≥ 150% for 1 min   Bypass 135% for long term; <1000% for 100ms				
Short circuit capability	3 x I <sub>N</sub>				
<b>BYPASS</b>					
Efficiency	99,4%				
<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]	D0 1,075 x 350 x 850   E0 1,725 x 520 x 850				
Weight [Kg] without batteries	D0 80   E0 105				
Colour / Protection Level	RAL 9017 (traffic black) / IP20				
Certifications	EN/IEC 62040-1   EN/IEC 62040-2   EN/IEC 62040-3   CE   RoHS				
Communications	Std 1 x RS232, 2 x Dry In, 1 x Dry Out, 2x Expansion slots, Bluetooth Option 5 x Dry Output contacts, 4 x Dry Input contacts, SNMP Slot				