

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]	Flexible: 30...50 E30 Minimun 30 blocks (flexible from 30 to 50) / E40 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	96,6%
Overload Capacity	Inverter < 124% continuous; ≥ 125% for 10 min; ≥150% for 1 min Bypass 135% for long term; <1000% for 100ms
Short circuit capability	3 x IN

BYPASS	
Efficiency	99,4%

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]	F0 1,985 x 600 x 600 G0 1,985 x 730 x 600 H0 1,985 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	Std 1 x RS232, 2 x Dry In, 1 x Dry Out, 2x Expansion slots. Option 6 x Dry Output contacts, 4 x Dry Input contacts, Bluetooth, SNMP Slot