

HubPro E Industrial UPS Series

Technology: Online Double Conversion

Rating: 10kVA – 160kVA

Voltage: 400VAC

Configuration: Cabinet

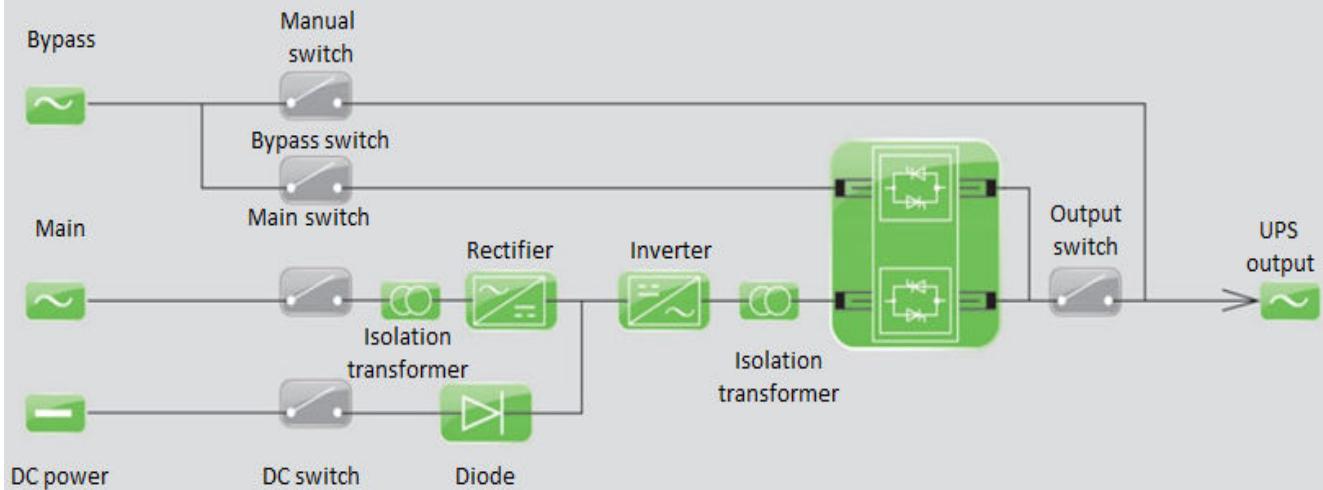
HubPro E industrial UPS series for electricity is designed and manufactured specifically for small and medium size substations, power plants and other power sectors according to the standards of power industry technology. The product adopts advanced DSP control technology and IGBT rectification technology, extremely high input power factor.



Product Highlights:

- Design for electricity industrial environment, isolation in both input and output
- Adopt active power factor correction technology with extremely high input power factor
- Independent 3-phase inverter design to meet 100% requirement of unbalanced load
- Application of isolated air duct system, independent duct for power circuit and control circuit respectively to ensure effective cooling;
- Independent 3-phase inverter design, fully meets the requirement of 100% unbalanced load;
- Adoption of DSP control technology, power redundancy design to achieve higher performance and adaptability;
- Adoption of high resolution touch screen for better operation and maintenance;
- Adoption of non-master-slave self-adaptive parallel technology, “N+1” parallel operation without parallel cabinet;

Rectifier, inverter, isolation transformer, rectifier diode, static switch and manual maintenance bypass switch.



HUBPRO E SERIES INDUSTRIAL UPS FOR ELECTRICITY SPECIFICATIONS

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Rated Capacity (kVA)	10 20 30 40 50 60 80 10 20 30 40 50 60 80 100 120 140 160 10 20 30 40 50 60 80 100 120 140 160
Battery Voltage (VDC)	110
Battery Voltage Range (VDC)	92-140
Type	Optional
AC Input	DC, Cold Start
Output Voltage (VAC)	220/230/240
Rectifier	IGBT / PFC / Isolation transformer
Input Voltage (VAC)	380 / 400 / 415 (other specification can be customized)
Voltage Range	± 25%
Rated Frequency (Hz)	50/60 ± 10%
Power Factor	> 0.98
Inverter	IGBT / PFC / Isolation transformer
Bypass	IGBT / Isolation transformer
Bypass Input Voltage (VAC)	220/230/240
Bypass Input Current (A)	68 135 204 272 340 408 544 68 136 204 272 340 408 544 680 816 952 1088 68 136 204 272 340 408 544 680 816 952 1088
Output Voltage (VAC)	AC 220/230/240 ± 1% IP2W (other specification can be customized)
Output Frequency (Hz)	50/60 ± 0.1% (adjustable range 1%-8%) to adapt the assembly/module with generator
Rated Output Power (PF=0.8) -kW	8 16 24 32 40 48 64 8 16 24 32 40 48 64 80 96 112 128 8 16 24 32 40 48 64 80 96 112 128
AC Output	Waveform
Total Harmonic Distortion	<1% (linear load); <3% (non-linear load)
Frequency Stability	± 0.1%
Crest Factor	3 : 1
Static Switch	Switching Time (ms)
Display & Alarm	Multiple monitoring, display, monitoring record, password setting, material failure reading, automatic dialling alarm/e-mail alarm, etc.
Remote Monitoring	Monitoring Control [Optional]
Protection	LED, Touch Screen, Buzzer
Communication	High/low voltage limit protection, IGBT state protection, over temperature protection, overload protection, short circuit protection, lightning protection
UPS Equipment Standard	FS2732/MEGATEC protocol, RS485/MODBUS protocol, WEB/SNMP management card, 8 groups of switch alarm connection
Low-voltage Equipment Standard	Conform to UL1778
Semiconductor Standard	Conform to IEC439-1,439-2,439-3
Semiconductor Converter	Conform to IEC146-1,146-1,3,146-2
Protection Level	Conform to IEC529
Safety Standard (CE standard)	Conform to EN50091-1
Criteria & Standards	Conform to EN50091-2
Electromagnetic Compatibility	Conform to FCC Class A, CE
Standard (CE Standard)	Conform to EN50091-2
Radiation Standard	Conform to EN50091-2 CLASS A
Conductivity	Conform to EN50091-2
EMC/EMI	Conform to IEC1000-3-4
Harmonic Current Immunity	Conform to EN61000-4-2,3,4,6,8,9,11 LEVEL III, Conform to EN61000-4-5 LEVEL IV
Overall Efficiency	>92%
Overload Capability	>93%
Noise Level(dBA)	<60dBm from source
Specifications	<65dBm from source
Operating Temperature (° C)	<60dBm from source
Relative Humidity	<65dBm from source
Dimensions(mm) WxDxH	550x800x1800
Weight (kg)	380 470 550 650 850 1040 1220 370 465 555 580 600 615 970 1155 1345 1685 1875 330 430 515 525 540 560 910 1080 1250 1400 1580
Overall Specifications	0 - 95% (no condensation) -5 - +40

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