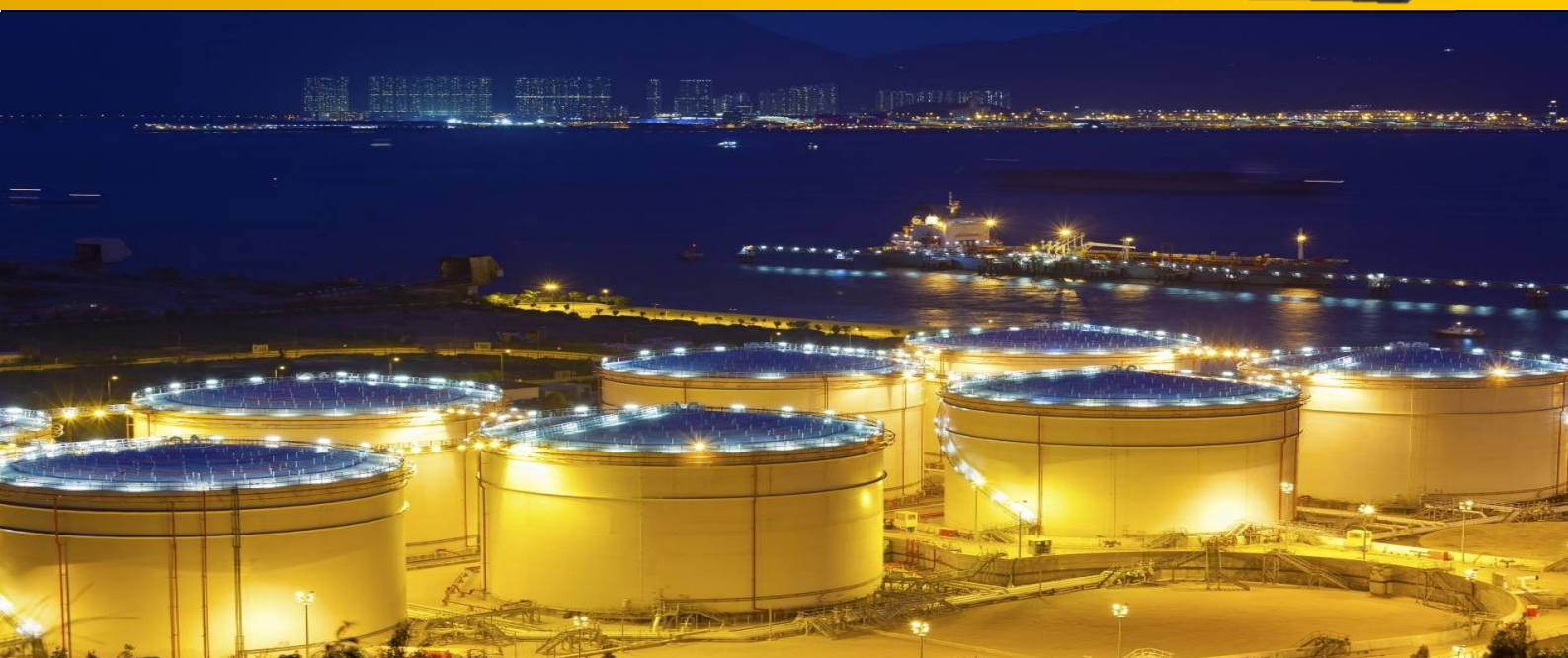


HUBPRO SERIES INDUSTRIAL UPS (10-800kVA)



- Green power specially designed for the most harsh industrial environment
- Adopt active power factor correction technology with extremely high input power factor
- Independent 3-phase inverter design to meet 100% requirement of unbalanced load
- Advanced DC cold start function

A P E C U S
Power Solution for all



Industrial UPS/ Military Power Supply/ Power Quality Product/ Automatic Voltage Regulator(AVR)/ Photovoltaic Inverter(PV)

HUBPRO SERIES INDUSTRIAL UPS(10-800kVA)

HUBPRO series industrial UPS adopts advanced DSP control technology and IGBT inverter, the input power factor is extremely high to meet users requirement of the new generation of green power. It provides full protection in the fields of electricity, petroleum, chemical engineering, marine engineering, military engineering, rail transit & manufacturing. The product delivers high stability and reliability of industry frequency UPS.

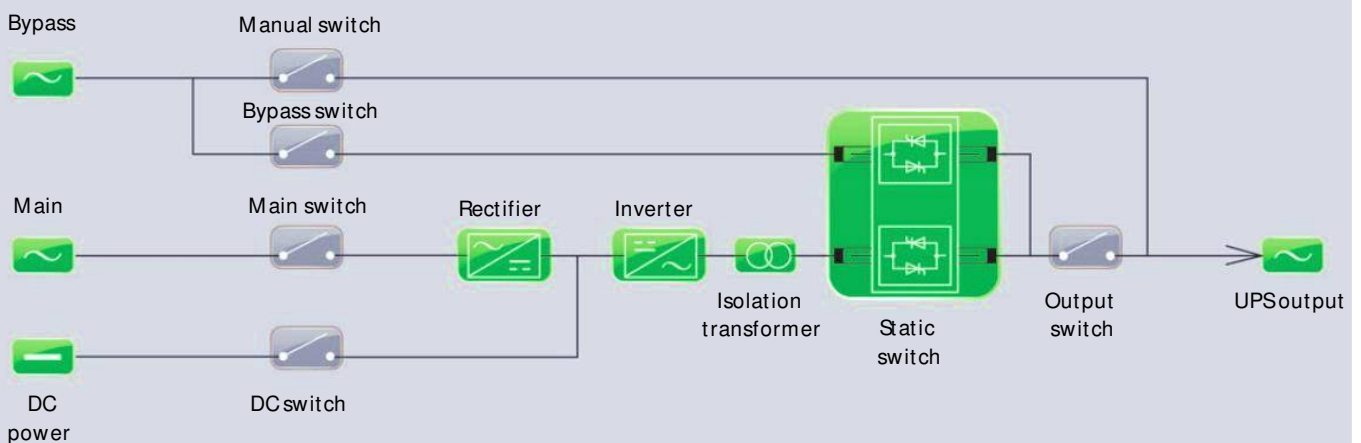
1> MAIN FEATURES

- Active power factor correction technology with extremely high input power factor;
- 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;
- Application of isolated air duct system, independent duct for power circuit and control circuit respectively to ensure effective cooling;
- Application of 3-stage equalized charging with temperature compensation at the same time to increase the reliability of battery availability;
- Adoption of N+X non-master-slave self-adaptive parallel technology to achieve multiple parallel operation;
- With DC cold start function, battery test and battery intelligent anti-reverse technology;
- User friendly operational design with simple operating sequence and usage;
- With RS232/ RS485 Ethernet connection port, support NSNMP/ MODBUS/ JBUS/ Remote monitoring.



2> SYSTEM STRUCTURE

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



3> OPTIONAL CONFIGURATIONS

- Input isolation transformer
- Industrial frequency SCR rectifier
- ATSDual input switch
- Emergency Power Off (EPO)switch
- Extended remote control panel
- N+X redundancy parallel module
- Bypass isolation regulator cabinet
- AC output distribution cabinet
- Remote monitoring management
- WEB/ SNMP management card
- Network monitoring
- High compatibility to meet all kinds of non-standard design requirement



4> APPLICATIONS

HUBPRO Series industrial UPS is suitable in electricity, petroleum & gas industry, chemical engineering, marine engineering, military industry, aviation, rail transit, manufacturing industry, shipping and other industries.

A> Control and protection system

- Distributed Control System (DCS)
- Power load control system (PLC)
- Emergency Shutdown Device (ESD)
- Digital Electrical Hydrodynamic System (DEH)
- Boiler safety monitoring system
- Relay protection device
- Automatic fire alarm system

B> Production equipment

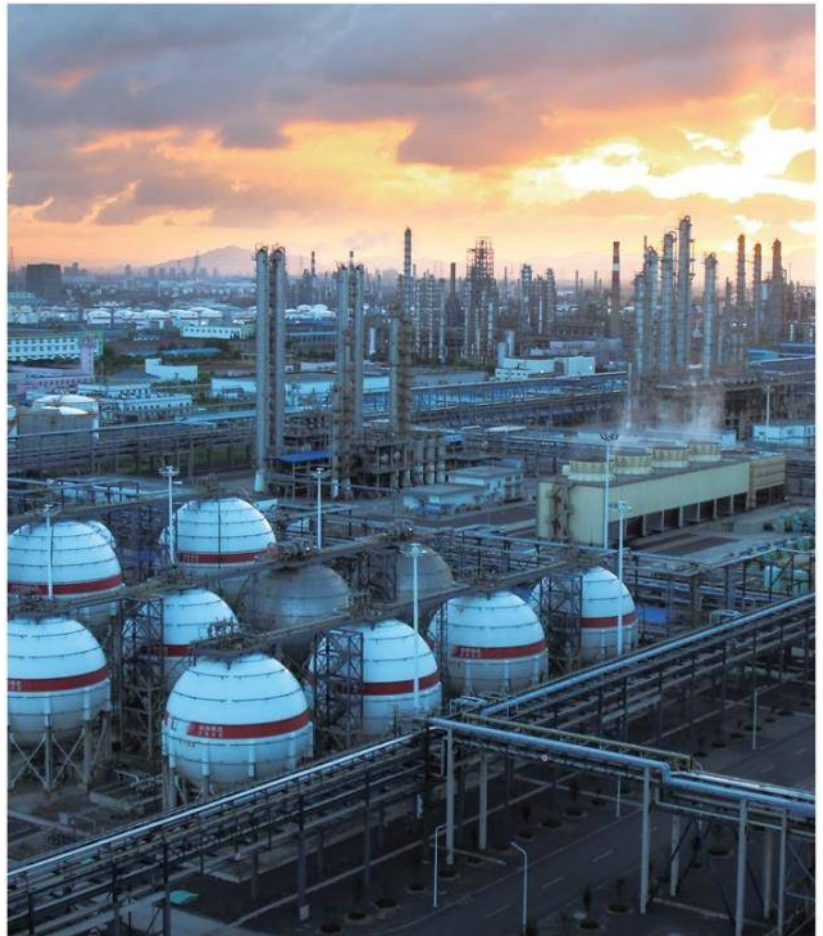
- Specialized motors
- Specialized valves
- Automatic and protection device

C> Precision instruments and transmitters, actuator

- Electrical measurement and protection device
- Temperature, pressure, flow, analysis instrument and transmitter
- Control actuator, solenoid valve, electrical transmitter

D> Computer systems

- Network Computing System (NCS)
- Control system peripherals
- Computer monitoring system
- Fault recorders



5> PARAMETER SPECIFICATIONS

HUBPRO SERIES INDUSTRIAL UPS SPECIFICATIONS

Type	Rated Capacity (kVA)	10	20	30	40	50	60	80	100	120	140	160	200	240	320	10	20	30	40	50	60	80	100	120	140	160	200	240	320	400	500	600	800
	Battery Voltage(VDC)	220																															
	Battery Voltage Range(VDC)	184-280																															
AC Input	Charging Function	Optional																															
	DC Cold Start	Yes																															
	Output Voltage (VAC)	380 / 400 / 415																															
Rectifier	Rectifier	IGBT / PFC																															
	Electricity Input Voltage (VAC)	380 / 400 / 415 (Other specification can be customized)																															
	Voltage Range	± 25%																															
AC Input	Rated Frequency (Hz)	50/60 ± 10%																															
	Power Factor	> 0.98																															
	Inverter	IGBT / Isolation transformer																															
Bypass	Bypass input voltage (VAC)	380 / 400 / 415																															
	Bypass input current (A)	23	45	68	91	114	135	180	226	270	315	360	450	540	720	23	45	68	91	114	135	180	226	270	315	360	450	540	720	900	1125	1350	1800
	Output Voltage (VAC)	AC 380 / 400 / 415 ± 1% 3P4W (Other specification can be customized)																															
AC Output	Output Frequency (Hz)	50/60 ± 0.1% (Adjustable range 1%-8%) To adapt the assembly module with generator																															
	Rated Output Power (PF=0.8) -1kW	8	16	24	32	40	48	64	80	96	112	128	160	192	256	8	16	24	32	40	48	64	80	96	112	128	160	192	256	320	400	480	640
	Waveform	Sine wave																															
Static Switch	Total Harmonic Distortion	<1% (Linear load); <3% (Non-linear load)																															
	Frequency Stability	± 0.1%																															
	Crest Factor	3 : 1																															
Remote Monitoring	Switching Time (ms)	< 0.5																															
	Monitoring Control (Optional)	Multiple monitoring, display monitoring record, password setting, material failure reading, automatic dialling alarm/e-mail alarm, etc																															
	Display & Alarm	Display & Alarm	LED, touch screen, buzzer																														
Display & Alarm	Protection	High/Low voltage limit protection, IGBT state protection, over temperature protection, overload protection, short circuit protection, lightning protection																															
	Communication	RS232/485/Modbus protocol, WEB/SNMP management card, 8 groups of switch alarm connection																															
	UPS Equipment Standard	Conform to UL1778																															
Criteria & Standards	Low-voltage Equipment Standard	Conform to IEC439-1,439-2,439-3																															
	Semiconductor Converter Standard	Conform to IEC146-1,146-1.3,146-2																															
	Protection Level	Conform to IEC529																															
Criteria & Standards	Safety Standard (CE Standard)	Conform to EN50093-1																															
	Electromagnetic Compatibility Standard (CE Standard)	Conform to EN50093-2																															
	Radiation Standard & Safety Standard	Conform to FCC CLASS A, CE																															
Criteria & Standards	Conductivity	Conform to EN50093-2																															
	Radiation	Conform to FCC CLASS A																															
	Harmonic Current	Conform to IEC1000-3-4																															
Criteria & Standards	EMC/TEM Immunity	Conform to EN61000-4-2,3,4,6,8,9,11 Level III, Conform to EN61000-4-5 Level IV																															
	Overall Efficiency	>92%	94%																														
	Overload Capability	>92%	110%;continuous operation; 125%;10min; 150%;1min; >200%;1s																														
Criteria & Standards	Noise Level(dBA)	<60(1m from source)																															
	Operating Temperature (°C)	-5 ~ +40																															
	Relative Humidity	0 - 95%(no condensate)																															
Overall Specifications	Dimension(mm) WxDxH	550 x 800 x 1800																															
	Weight (kg)	320	450	520	560	750	810	930	1040	1360	1450	1650	1950	2150	260	410	500	580	760	840	900	980	1280	1360	1420	1720	1940	2140	2350	2650	3070	3580	