



Fenton

Online UPS HE880 Series 6KVA~30KVA



● Advanced DSP—digital control technology

The inverter control, phase synchronous, I/P rectify control, logic control systems all take advantage of the DSP technology so that the UPS has the following features: high precision, high speed; simplified control circuit and high reliability.

● High input power factor—green and energy-saving power

The I/P power factor is above 0.99; input current THDI <5%, which greatly reduces the harmonic pollution of the AC network, and at the meantime, the efficiency of the usage of the utility is improved, and the installation cost and the noise is reduced. The speed of the fan can be auto-adjustable as well; all these make the UPS green energy-saving power.

● wide input voltage and frequency range

With the wide input voltage and frequency range, it reduces the frequency of battery discharge so that the battery life can be prolonged and in the meantime, it is convenient to connect the oil generator.

● Reliable parallel technology

It adopts the most advanced parallel control technology and digital equal flow control technology to make the UPS highly compatible and have the choice of N+1 parallel and redundancy and share battery sets.

● Standard Matching Output Isolating Transformer

Prevent equipment from danger of UPS output voltage DC ponderance; Effectively reduce the output zero to earth voltage, and meet some special fields' special requirement for the zero to earth voltage; Effectively reduce the direct interference of the load harmonic current against UPS, and improve the inverter reliability; Industrial level UPS, which adapt to industrial production ect situation, apply to a larger situation.

● Flexible network monitoring and management

The UPS is available with RS232, RS485(optional), SNMP(optional), dry contact(optional) etc.; it can support TCP/IP protocol with remote control; The network monitoring and management enables the UPS to have the function of self-diagnosis, timely sending the demanding instruction, email, automatically saving the files and turning off the UPS etc.

● perfect protection

The UPS has I/P & O/P over-protection, short voltage protection, Overload protection, short-circuit protection, over-heat protection, surge protection etc to make sure the UPS can work in different environment.

● Cold start and AC start function

When AC fails, UPS can be started by battery directly; In AC mode, UPS can be started by AC directly without battery; when the battery discharges and there is low voltage protection, after AC returns, the UPS can start up automatically.

● Easy maintenance design

Large LCD display in both Chinese and English, manual bypass design, failure information enquiry orientation all is convenient for user and in the meantime, improving the usability and maintainability of the system.

◆ Rear Panel



- | | |
|-------------------------|---------------------------|
| ① SNMP(Optional) | ⑧ Parallel Card(Optional) |
| ② EPO. | ⑨ Terminal |
| ③ RS232 | ⑩ Input Breaker |
| ④ FAN | ⑪ Bypass Breaker |
| ⑤ USB | ⑫ Output Breaker |
| ⑥ Dry Contact(Optional) | ⑬ Manual Bypass |
| ⑦ DC Input | |

Specifications

Model	HE8806	HE8810	HE38810	HE38815	HE38820	HE38830
Rated capacity	6KVA	10KVA	10KVA	15KVA	20KVA	30KVA
Working principle	online, static bypass switch (uninterruptible transfer) , dual conversion					
Phase	Single phase in single phase out		Three phase in single phase out			
I/P						
I/P power factor	>0.99		>0.95			
Rated voltage	200/208/220/230/240VAC			380/400/415VAC		
I/P voltage range	120-180VAC(Half load),180-280VAC(Full load)		210-280VAC(Half load),280-485VAC(Full load)			
Rated frequency	50Hz/60Hz					
I/P frequency range	40-70Hz					
Bypass I/P voltage range	± 15%					
THDI	< 5%		---			
Charge						
Float charge	220VDC					
Charge current	6 ~ 24A(extendable)					
Protection	Charge voltage, over current protection, short circuit protection					
Battery						
Model	Lead acid maintenance free battery					
Battery quantity	16pcs 12V battery connection					
Rated battery voltage	192VDC					
AC O/P						
Power factor	0.8 (lag)					
Phase	L+N+G					
Rated voltage	200/208/220/230/240VAC					
Rated frequency	50Hz/60Hz					
Frequency distortion	< ± 0.1Hz (battery mode)					
Voltage distortion	< ± 2% (static)					
O/P current crest factor	3:1					
Wave distortion	Linear load < 3%; nonlinear load < 5%					
Dynamic load voltage instant distortion	Linear load < ± 5% (from 0-50%-100%)					
Dynamic response recover time	< 40ms					
Overload capacity	105% ~ 125% 10min ; 125% ~ 150% 1min ; > 150% 1S					
Alarm						
AC abnormal	Intermission 4S, beep 1S; 1min auto alarm eliminate					
Battery low voltage	Intermission 1S, continuous beep 1S,					
Overload	Intermission 4S, continuous beep 2S					
Failure	continuous beep					
System						
Protection	O/P short circuit, overload, O/P over/low voltage, battery low voltage, over temp protection					
Efficiency	100% linear > 85%					
Communication interface	RS232,USB(Standard); RS485,SNMP(Optional)					
Operate temp	0 ~ 40°C					
Relative humidity	0 ~ 90% (non-condensing)					
Noise dB	< 55 (≤ 1M)		< 60 (≤ 1M)			
Surge protection	IEC60664-1					
Electromagnetism capability	GB7260.2-2003					
Weight Kg	70	130	180	220	260	350
Dimension (WxHxD) mm	260X700X545	330X900X670	350X1030X810	400X1150X860	520X1160X910	

◆ All specifications subject to change without notice
◆ Custom-made specifications are acceptable