

<b>Model</b>	HT33060X	HT33090X	HT33120X
<b>Power Rating</b>	60kVA	90kVA	120kVA
<b>Main Input</b>			
<b>Grid System</b>	3 Phases + Neutral + Ground		
<b>Rated Input Voltage</b>	380/400/415VAC (L-L)		
<b>Rated Frequency</b>	50/60Hz		
<b>Input Voltage Range</b>	304~478Vac (Line-Line),full load 228V~304Vac (Line-Line),load decrease linearly according to the min phase voltage		
<b>Input Frequency Range</b>	40Hz ~ 70Hz		
<b>Input Power Factor</b>	>0.99		
<b>Input Current THDi</b>	<3% (full Linear Load)		
<b>Bypass Input</b>			
<b>Rated Bypass Voltage</b>	380/400/415VAC (Line-Line)		
<b>Rated Frequency</b>	50/60Hz		
<b>Bypass Voltage Range</b>	Selectable, default -20% ~ +15% Up limited: +10%, +15%, +20%, +25% Down limited: -10%, -15%, -20%, -30%, -40%		
<b>Bypass Frequency Range</b>	Selectable, $\pm 1$ Hz, $\pm 3$ Hz, $\pm 5$ Hz		
<b>Bypass Overload</b>	125%, long time operation 125%< load <130%, last for more than 10 minutes 130%<load<150%,last for more than 1 minutes >150%, last for more than 300ms		
<b>Output</b>			
<b>Rated Inverter Voltage</b>	380/400/415VAC (Line-Line)		
<b>Rated Frequency</b>	50/60Hz		
<b>Output Power Factor</b>	1		
<b>Voltage precision</b>	$\pm 1\%$		
<b>Transient Response</b>	<5% for step load (20% - 80% -20%)		
<b>Transient recovery</b>	< 30ms for step load (0% - 100% -0%)		
<b>Output Voltage THDu</b>	<1% from 0% to 100% linear load <5% full non-linear load according to IEC/EN62040-3		
<b>Inverter Overload</b>	<110%, 60min; 110%~125%,10min; 125%~150%,1min; >150%,200ms		
<b>Frequency Regulation</b>	50/60Hz $\pm 0.01\%$		
<b>Synchronized Range</b>	Settable, $\pm 0.5$ Hz ~ $\pm 5$ Hz, default $\pm 3$ Hz		
<b>Synchronized Slew Rate</b>	Settable, 0.5Hz/S ~ 3Hz/S, default 0.5Hz/S		
<b>Battery And Charger</b>			

<b>Battery Rate Voltage</b>	±240VDC		
<b>Charger Voltage precision</b>	1%		
<b>Charger Power</b>	max=20% *Output power		
<b>Efficiency</b>			
<b>Normal Operation</b>	>95%		
<b>Battery Operation</b>	>95%		
<b>System</b>			
<b>Display</b>	LED + LCD + touch screen		
<b>Interface</b>	RS232, RS485, USB, Programmable dry contact		
<b>Option</b>	battery cold start, SNMP, AS400, parallel kit, Lightning protection components, Dust Filter, LBS		
<b>Environmental</b>			
<b>Operation Temperature</b>	0 ~ 40 °C		
<b>Storage Temperature</b>	-40 ~ 70 °C		
<b>Relative Humidity</b>	0 ~ 95% Non condensing		
<b>Noise (1 meter)</b>	65dB @ 100% load, 62dB @ 45% load		
<b>Altitude</b>	<1000m, Load derated 1% per 100m From 1000 ~ 2000m		
<b>Physical data</b>			
<b>Cabinet Dimension(W*D*H,mm )</b>	600*980*950	600*980*1400	600*980*1400
<b>Cabinet Weigh (kg)</b>	170	231	266