


MODEL		MS-20KVA
Picture		
<b>Three Phase Online UPS</b>		
<ul style="list-style-type: none"> <li>• Authentic realize the high frequency online double conversion;</li> <li>• The high performance machine using DSP technology;</li> <li>• The output power factor can reach 0.8;</li> <li>• The battery quantity can be adjusted during 16-20 piece;</li> <li>• Charging current can be adjusted from 0.5-6A through the LCD and software;</li> <li>• Emergency power off (EPO);</li> <li>• ECO mode provide energy-saving effect;</li> <li>• Three phase input including the power factor correction function;</li> <li>• Three- stage extensible charging design, to make sure the battery with more superior performance;</li> <li>• N + X parallel redundancy in application;</li> <li>• Widely used in financial, telcom, government, traffic, manufacture, education etc.</li> </ul>		
Specification	3 phase INPUT & 3 phase OUTPUT	
Capacity	20KVA / 16KW	
<b>INPUT</b>		
Input voltage	3 x 400 VAC (3 Ph + N)	
Voltage range	190 - 520 VAC (3-phase) at 50% load; 305 - 478 VAC (3 phase) at 100% load	
Frequency range	46 -54Hz or 56 - 64Hz	
Power factor	≥ 0.99 @ 100% load	
<b>OUTPUT</b>		
Output voltage	Three phase 380VAC (3 Ph + N)	
Voltage range (battery mode)	± 1%	
Frequency range (synchronous correction range)	46 -54Hz or 56 - 64Hz	
Frequency range (battery mode)	50Hz ± 0.1Hz or 60Hz ± 0.1Hz	
Surge ratio	3 : 1 (max)	
THD	≤ 2% THD (linear load), ≤ 5% THD (unlinear load)	
Transfer time	0ms	
Wave form (battery mode)	Pure Sine Wave	
Protection	Over charging, over discharge, short circuit, over load, power surge	
Overload	150% for 01 minute 125% for 2 minutes	
<b>EFFICIENCY</b>		
AC mode	89%	
Battery mode	88%	
<b>BATTERY</b>		
Long running machine	quantity	20 piece (optional during 16 - 20 piece)
	max charging current	4A
	charging voltage	273VDC ± 1%
<b>DISPLAY INSTRUCTION</b>		
LCD or LED	Load power, battery capacity, AC model, battery model, bypass mode, fault indication	
<b>WARNING VOICE</b>		
Battery mode	Sounding every 4 second	
Battery with low power	Sounding every 1 second	
Overload	Sounding every 0.5 second	
Mistake	Continuously sounding	
<b>PHYSICAL PROPERTIES</b>		
Long running	size (mm)	592 x 250 x 826
	N.G. (KG)	40
<b>ENVIRONMENT</b>		
Humidity	0 - 95% RH @ 0 - 40°C (no frost)	
Noise	< 65dB @ 1 meter	
<b>CONTROL MANAGEMENT</b>		
RS-232 / USB	Support Windows 2000 / 2003 / XP / Vista / 2008, Windows 7 / 8, Linux, Unix, and MAC	
Optional SNMP	Power management support SNMP management and network management	
Standard package	Wooden case	