



# Low frequency online UPS 3:3 400V ST100-200K



- ◆ Online double conversion UPS (VFI)
- ◆ True sine wave
- ◆ Wide input range
- ◆ With a transformer isolated transformer
- ◆ Data processing, telecommunications, industrial processes
- ◆ Battery care system, maximum lifetime potential
- ◆ Connect up to 8 units in parallel or N+1 redundancy
- ◆ Easy of installation, can be placed against a wall as there is no requirement for rear or side panels access for maintenance or ventilation
- ◆ Installation slot for an Emergency Power Off (EPO)
- ◆ Microprocessor control
- ◆ Zero transfer when AC failure
- ◆ RS232 double interface and inbuilt SNMP slot (optional)
- ◆ support for Windows 9x, ME, NT4.0, 2000, XP, Vista and 2003 Server, Mac OS X, Linux, Novell.
- ◆ High efficiency design to save electricity
- ◆ Low heat dissipation in long time operation
- ◆ Extended backup time with external battery
- ◆ Designed to operate under harsh environment, N+X Parallel (Max 8pcs)

**Transformer  
Base**



MODEL	ST-100K	ST-120K	ST-160K	ST-200K
<b>RATED CAPACITY</b>	100KVA/80KW	120KVA/96KW	160KVA/128KW	200KVA/160KW
Input voltage	380-400-415V AC Three phase			
Voltage Tolerance	400V ± 20%			
Current Tolerance	< 3% in the 12MP HC version			
Input Frequency	45-65Hz			
Frequency Tolerance	± 2%			
Input Power factor	> 0.95 in the 12MP HC version			
Soft Start	0-100% in 30" (Optional)			
Standard Function	Feedback protection, independent bypass			
Output voltage	380-400-415V AC 3+N			
Static stability	± 1%			
Dynamic stability	± 5% within 10ms			
Voltage distortion	Linear load <1%, distorting load <3%			
Output Frequency	50Hz or 60Hz optional ± 0.5%			
Output power factor	0.8			
Output wave form	True sine wave			
Overload capacity	>110% 60min. >125% 10min. >150% 1min.			
Load crest ratio	3 : 1 max			
Battery type	Maintenance free sealed lead acid			
Battery voltage	432V DC	480V DC	480V DC	480V DC
Current exchange	< 1%			
Temperature Compensation	°C x -5V			
Rush charge current	0.2 x C10			
Long-distance signal	Dry connected			
Long-distance order	EPO, Bypass			
Communication	double RS232 + remote contacts + 2 communication interface slots			
Efficiency	Up to 94%			
Dimension	1900 x 800 x 800 mm			
UPS Weight	640Kg	650Kg	770Kg	810Kg
Noise	63-68DBA, < 1m			
Temperature	0-40°C			
Humidity	0-95% non-condensing			
Altitude	<1500m			
Storage	- 25-55°C			
IP Class	IP20			
STANDARD	Directives EC 73/23 - 93/68 - 2004/108; Safety IEC EN 62040-1; EMC IEC EN 62040-2; Performance IEC EN 62040-3			