 <small>UPS & Voltaj Regulatorleri</small>	PRODUCT SPECIFICATIONS	
	PRODUCT SERIES : Crystal Series	Page No.
	MODEL : CL10000VS	1 OF 4

INPUT

Nominal Voltage	: 220/230/240VAC
Phase	: Single phase with ground
Allowed Voltage Range	: 145 ~ 295VAC
Nominal Frequency	: 50/60Hz
Frequency Range	: 45 ~65Hz
Power Factor	: ≥0.99
Noise Suppression	: Full time EMI filtering
Nominal RMS Current	: 40,9(220VAC)/39,1(230VAC)/37,5(240VAC)
Protection	: Resettable Circuit Breaker
Connection	: Terminal
Generator Compatibility	: Yes
Technology	: Online double conversion

BYPASS

Output before UPS power-on	: YES
Protection	: Resettable Circuit Breaker



PRODUCT SPECIFICATIONS

PRODUCT SERIES :Crystal Series
MODEL :CL10000VS

Page No.

2 OF 4

OUTPUT

Nominal Power Capacity	: 10KVA / 9KW
Power Factor	: 0.9
Nominal Voltage	: 220/230/240VAC
Regulation	: $\pm 1\%$
Waveform	: Sine wave
Phase lock speed	: $\leq 1\text{Hz/s}$
Distortion	: $< 3\%$ (linear load); $< 5\%$ (non-linear load)
Frequency	: Battery mode: 50/60Hz $\pm 1\%$ Line mode: 50/60Hz $\pm 1\%$
Crest Ratio	: 3:1
Efficiency	: 92% (inverter mode) 94% (ECO mode)
Connection	: Terminal

BATTERY & CHARGER

Type	: VRLA, Maintenance Free
Rating	: 12V9Ah
Quantity	: 20 pieces
Nominal DC Voltage	: 240VDC
Backup Time	: 22 minutes at 3000W 25 minutes at 2600W 35 minutes at 2000W 52 minutes at 1300W
Protection	: Fast-acting Fuse
Initial charging current	: 1 A
Recharge Time	: 4 Hours recharge to 90%
Charger Method	: Three - stage charging



PRODUCT SPECIFICATIONS

PRODUCT SERIES :Crystal Series
MODEL :CL10000VS

Page No.


3 OF 4

TRANSFER TIME

Utility Power Failure : 0 ms
Battery to Utility Power Mode : 0 ms
Bypass to Inverter and vice versa: 0 ms
Auto Transfer : Automatically retransfer to Inverter mode after overload is cleared

INTERFACE

Control Panel : Power On/Off; Test/Alarm silence
LCD display : Operating mode, load information, battery information, Input & output information, fault code
Diagnostics : Full system self test on power up
DC power-on function : Yes
Auto-restart : Default " YES", can be set to "NO" through Panel LCD
Audible Alarm
- Battery mode : Beep once every 4 seconds
- Battery low : Beep once every second
- Overload : Beep twice every seconds
- Fault : Beeps continuously
- Bypass mode or Site fault : Beep once every 2 minutes
Communications
- DB-9 Port : RS232 interface
- Intelligent Slot (SNMP) : Available
(Options: web, Netility, client mate of Netagent9card)
Cooling : Force air cooling
Manual Bypass : Yes

	PRODUCT SPECIFICATIONS	
	PRODUCT SERIES :Crystal Series MODEL :CL10000VS	Page No. 4 OF 4

ENVIRONMENTAL

Operating Temperature	: 0 ~ 40 °C
Operating Humidity	: < 90% non-condensing
Storage Temperature	: -25 °C ~ 55 °C
Audible Noise	: 55dB at 1 meter distance in front of the UPS (Buzzer not included)

STANDARD & SAFETY

SAFETY	: IEC/EN 62040-1
EMI	
Conducted Emission	: IEC/EN 62040-2 Category C2
Radiated Emission	: IEC/EN 62040-2 Category C2
Harmonic Current	: IEC/EN 61000-3-2
Voltage Fluctuation and Flicker	: IEC/EN 61000-3-3
EMS	
ESD	: IEC/EN 61000-4-2 Level 3
RS	: IEC/EN 61000-4-3 Level 3
EFT	: IEC/EN 61000-4-4 Level 4
SURGE	: IEC/EN 61000-4-5 Level 4
CS	: IEC/EN 61000-4-6 Level 3
MS	: IEC/EN 61000-4-8 Level 4
Voltage Dips	: IEC/EN 61000-4-11
Low Frequency Signals	: IEC/EN 61000-2-2

MECHANICAL FEATURES

Dimensions W x D x H (mm)	: 191x462x710 mm
Weight (kg)	: 67,2kg

Specifications are subject to change without notice.

T = 25°C, Unless otherwise noted