INPUT

Nominal Voltage	:	220VAC
Phase	:	Single phase with ground (2W + G)
Power Factor	:	≥ 0.99
Voltage Range	:	120 ~ 275VAC
Volt. Low Detection / Comeback	:	120VAC / 140VAC, at load ≤ 50%; 150VAC / 165VAC, at 50% < load ≤ 70%; 165VAC / 180VAC, at 70% < load ≤ 90%; 185VAC / 200VAC, at load > 90%;
Volt. High Detection / Comeback	:	275VAC / 260VAC, at load 0% < load < 110%
Nominal Frequency	:	50/60Hz
Frequency Range	:	40 ~ 70Hz
Freq. Low Detection / Comeback	:	40Hz / 40.5Hz
Freq. High Detection / Comeback	:	70Hz / 69.5Hz
THDi	:	< 3% (With R full load at Line normal)
Nominal RMS Current	:	26A
Protection	:	40Amp Breaker
Connection	:	Terminal Block

BYPASS

Output before UPS power-on	:	YES
Voltage Range	:	187 ~ 264VAC
Bypass Low Detection	:	Default 187VAC, can be set to 187 ~ 228VAC through Winpower software
Bypass Low comeback	:	Bypass Low voltage detected plus 10VAC
Bypass High detection	:	Default 264VAC, can be set to 210 ~ 264VAC through Winpower software
Bypass High comeback	:	Bypass High voltage detected minus 10VAC
Protection	:	40Amp Breaker

Auto transfer to bypass mode When UPS is overloaded, failed, low battery ...

OUTPUT

Power Capacity	:	6kVA / 5.4kW
Power Factor	:	0.9
Voltage	:	220/230/240VAC
Voltage Regulation	:	±1%
Waveform	:	Pure sinewave
Voltage Distortion	:	≤ 2% (linear load) ≤ 4% (non-linear load)
Frequency	:	Battery mode: 50/60Hz ± 0.2Hz Line mode: Synchronized to 50/60Hz ± 4Hz
Slew Rate	:	< 1.0 Hz/sec
Phase Lock Error to Line	:	< 2º
Transient Recovery	:	60ms (R load from 0% to 100% and vice versa)
Current Crest Ratio	:	3:1
Efficiency	:	Up to 90% at battery mode Up to 94% at line mode Up to 98% at ECO mode
Overload Capability	:	105%-125%, load transfer to bypass mode after 10 min (0-30ºC) or 1 minutes (30-40ºC); 125%-150%, load transfer to bypass mode after 30s; Over 150%, load transfer to bypass after 0.5s;
Nominal Output Current	:	27A
Short Circuit Protection	:	Cut off output within 100ms in Line mode & Battery mode; Input Breaker in Bypass mode
Bypass Output without turning on	:	Yes
Maintenance Bypass Switch	:	Option
Connection	:	Terminal Block

BATTERY AND CHARGER

Type	:	VRLA, Maintenance Free
Rating	:	12V7Ah
Quantity	:	15 pieces
Nominal DC Voltage	:	180VDC
Backup Time	:	> 4 minutes at 100% load 6 minutes at 75% load 10 minutes at 50% load
Auto Shutdown Voltage	:	165VDC ±2VDC when load < 1kW 143VDC ± 2VDC when load > 1kW
Protection	:	Fast-acting Fuse
Rated Charge Voltage	:	202.5VDC
Voltage Initial Charging	:	1.2A
Current Recharge Time	:	7 Hours recharge to 90%
Over Voltage Protection	:	220.5VDC (1± 1%VDC)
Leakage Current	:	< 0.5mA
Connection	:	Built-in

INTERFACE

Control Panel	:	Power On/Off, Self-test/Alarm silence
Indicators	:	Graphical LED & LCD display: Line, Battery, Bypass, Inverter, Load level/Battery level, Fault
Diagnostics	:	Full system self test on power up
Auto Restart Function	:	Auto restart while AC source restored after discharge shutdown
DC Power-on Function	:	On-battery power on
Audible Alarm	:	Battery mode: Beeps every four seconds Battery low: Beeps every second Overload: Beeps twice every second Bypass: Beeps every two minutes Fault: Beeps continuously
Communications		
- DB-9 Port	:	RS232 interface
- Intelligent Slot (SNMP)	:	Available (Options : NMC, AS400 or CMC Card)
- Parallel Port	:	Option
-Emergency Power Off(EPO)	:	Option
Cooling	:	Force air cooling Fan speed depends on the operation mode and load level

PARALLEL FUNCTION

Parallel card	:	Option
Number of UPS in Parallel	:	Up to 3 units

TRANSFER TIME

Line mode <--> Battery mode	:	0 ms
Bypass mode <--> Line mode	:	< 4 ms 0 ms (option)
ECO mode to Line mode	:	< 4 ms (only for STS module Using)
Auto Transfer	:	Automatically re-transfer to Inverter mode after overload is cleared

ENVIRONMENTAL

Operating Temperature	:	0 ~ 40ºC
Storage Temperature	:	-25ºC ~ 55ºC
Humidity	:	20% ~ 90%, Non-condensing
Altitude	:	< 1000 m

STANDARD & SAFETY

Audible Noise	:	≤ 50dB, at 1-meter distance in front of the front panel (Exclusive of Buzzer)
EMC	:	IEC 61000 IEC 62040-2
Safety	:	IEC 62040-1

MECHANICAL FEATURES

Unit		
Dimensions (W x D x H) mm	:	248 x 500 x 565 mm
Weight (kg)	:	59 kg
Packaging		
Dimensions (W x D x H) mm	:	380 x 680 x 834 mm
Weight (kg)	:	63.9 kg