

# ست نیک 00 SETNIC



## Key Features :

- High Reliability With Industrial microprocessor design.
- Galvanic Isolation design.
- User- friendly Local & remote monitoring by PC
- Automatic Bypass Switch with zero delay time
- Full Sine Wave
- Driving Full Capacitive & Inductive Load
- Different Protection level :
  - Short Circuit
  - Reverses Battery Polarity
  - Over load
  - Input & output under & over Voltage
  - Current Limit
  - IEC Standard

## SETNIC Full Sine Wave UPS With Automatic Bypass Switch

**SETNIC** microprocessor control high Power full sine wave line interactive UPS Systems are specially designed for different applications.

**SETNIC** UPS , easily can drive high power capacitive and inductive load . Further more with using automatic zero delay bypass switch and different protection level in input and output we can insure a safe and continuous load deriving without any interrupt .

## SPECIFICATIONS

AC Input	
Mains Voltage For Automatic Static switch	220Vac + 10% & -15% , 50HZ
Max Input Current	14A
DC Input :	less than input rated current
DC Link Voltage range	48Vdc + 25% - 15%
Nominal DC Current	70A
Radio Frequency interference ( RFI)	meet VDE 0875
Protections	Over and under DC voltage protection, surge & Over AC current protections with Automatic Fuse, Output Short Circuit ,Reveres Battery polarity ,Over Temperature, Over load , Dual phase input protection
Output :	
Wave form	Full Sine Wave
Nominal Voltage	-Single Phase 220Vac , 50Hz
Load Regulation	$\pm 2\%$
Line Regulation	$\pm 1\%$
Rated Frequency	50 HZ $\pm 0.01\%$ ( At SYNC : $\pm 1$ to 5% ADJ )
Efficiency	> 83% (full load)
Total Harmonic Distortion	Less Than 3%
Single Harmonic Distortion	Less Than 2%
Load Current Crest factor	3 : 1
Over Load Capability	100 SEC 120%
Short Circuit Ac Current	12 Amp
Power Factor range	Full Capacitive to full inductive load Cos $\phi=0.8$
Output Power	3.0 kva
Recovery Time	Less than 0.001 Sec
Acoustic noise level ( DIN45635 )	Less Than 55 dba
Protections :	

# ست نیک 00 S E T N I C

Inverter Automatically Shut down at:	Low DC input Voltage
	High & Low output Ac voltage
	Over heat
	Over Load
	Short Circuit
	Single Harmonic Distortion more than 7%
Static By - PASS Switch :	
Inverter Failure Delay time	Without any delay ( 0.00 Sec )
Load transient & Over Load	Without any delay (0.00 Sec )
Isolation :	
Galvanic	1500 V/1Min / 5 MEG
Electrical isolation	units are tested to 1500VAC/50Hz for 1min between AC circuit-ground/AC circuit-DC circuit without breakdown and arc, and leakage current will be less than 30mA
Environment :	
Ambient Temperature	0 ° C to +40 ° C without De rating
Humidity :	Max 95%
Humidity Class	Class F
Altitude	Up to 1000 m above sea level
Cooling	Boosted by automatic built in fans
Degree of protection	IP41
Standard No	IEC 62040
Dimensions (WxHxD)	460x195x230 mm
Weight	Approx. 25 kgs