

# SMART NET CLAIRE SERIES

1000VA - 3000VA



LED Display or  
LCD Display Selectable



## Features

- Pure Sine Wave Output
- DSP Digital Control
- Boost and Buck AVR for Voltage Stabilization
- Auto Sensing Frequency
- Adjustable Charging Current and Battery Shutdown Point
- Settable ECO Mode and No-load Shutdown
- Humanized Alarm System
- Power-on Self Test
- Cold Start
- Auto Restart When Mains Power is Restored
- Intelligent Battery Management
- Short Circuit and Overload Protection
- Automatic Charging in Off Mode
- USB & RJ45, AS400 / SNMP (optional) Communication Port



## SMART NET CLAIRE SERIES

### Rear Panel

- |                           |                    |
|---------------------------|--------------------|
| 1. USB /RJ45              | 5. Input           |
| 2. Output Outlets         | 6. SNMP (optional) |
| 3. EXT Battery (optional) | 7. Fan             |
| 4. AC Breaker             |                    |



MODEL	SNC-1000R	SNC-1500R	SNC-2000R	SNC-3000R	
Capacity	1000 VA / 800 W	1500 VA / 1200 W	2000 VA / 1600 W	3000 VA / 2400 W	
<b>DC INPUT</b>					
Rated voltage	24 V		36 V (S) 48 V (H)	48 V	
DC input range (default)	20 ~ 30 V		30 ~ 45 V(S) 40 ~ 60 V(H)	40 ~ 60 V	
<b>AC INPUT</b>					
AC input range (bypass mode)	0 ~ 121 / 132 / 138 / 144 Vac for 100 / 110 / 115 / 120 Vac ± 10 Vac 0 ~ 242 / 264 / 276 / 288 Vac for 200 / 220 / 230 / 240 Vac ± 10 Vac				
AC input range (mains mode)	100 V: 70 ~ 130 Vac 110 V: 80 ~ 140 Vac 115 V: 85 ~ 145 Vac 120 V: 90 ~ 150 Vac 200 V: 145 ~ 260 Vac 220 V: 165 ~ 280 Vac 230 V: 175 ~ 290 Vac 240 V: 185 ~ 300 Vac				
Frequency input range	50 / 60 Hz (auto-sensing), 50 / 60 Hz ± 5% ~ 15%				
Generator connection	Available (generator input power is settable)				
<b>OUTPUT</b>					
Inverter output range	100 / 110 / 115 / 120 / 200 / 220 / 230 / 240 Vac ± 5% (settable)				
AC output range (bypass mode)	0 ~ 121 / 132 / 138 / 144 Vac for 100 / 110 / 115 / 120 Vac ± 10 Vac 0 ~ 242 / 264 / 276 / 288 Vac for 200 / 220 / 230 V / 240 Vac ± 10 Vac				
AC output range (mains mode)	100 V: 90 ~ 110 Vac 110 V: 99 ~ 121 Vac 115 V: 103 ~ 126 Vac 120 V: 108 ~ 132 Vac 200 V: 166 ~ 226 Vac 220 V: 188 ~ 245 Vac 230 V: 199 ~ 254 Vac 240 V: 210 ~ 264 Vac				
Output frequency	50 / 60 Hz ± 0.3 Hz (settable)				
Waveform	Pure sine wave				
Inverter efficiency	Max. 80%		Max. 85%		
Energy saving mode	Settable (< 3% load), enter in 80 s				
No-load shutdown	Settable (< 3% load), shut down in 80 s				
Transfer time	≤ 10 ms				
THDV (resistive load)	≤ 5%				
Protections	Overload, short circuit (inverter), battery low voltage, battery overcharge, overtemperature				
Overload (mains mode)	110% for 120 s, 125% for 60 s, 150% for 10 s (transfer to bypass mode)				
Overload (inverter mode)	110% for 60 s, 125% for 10 s, 150% for 5 s (shut down directly)				
Mute	Automatic mute in 60 s or by manual				
<b>BATTERIES</b>					
Inbuilt battery (standard model)	12 V / 7 Ah x 2	12 V / 9 Ah x 2	12 V / 9 Ah x 3	12 V / 9 Ah x 4	
Charging current	Standard model (S): 1 A (default)				
	Long time model (H): 10 A (default); < 10 A, set step 1 A; ≥ 10 A, set step 5 A				
	Max. 15 A (H)	/	Max. 20 A (H)	Max. 25 A (H)	
Equalizing charge voltage	Single battery 14.1 Vdc (default), 13.6 ~ 15 Vdc adjustable				
Floating charge voltage	Single battery 13.5 Vdc (default), 13.2 ~ 14.6 Vdc adjustable				
Low voltage alarm point	Single battery 10.8 Vdc (default), 9.6 ~ 13 Vdc adjustable				
Low voltage shutdown point	Single battery 10.2 Vdc (default), 9.6 ~ 11.5 Vdc adjustable				
<b>OTHERS</b>					
Communications	USB & RJ45 (standard), dry contacts / SNMP (optional)				
Operating temperature	5°C ~ 40°C				
Operating humidity	Relative humidity ≤ 93%				
Noise level	≤ 50 dB (1 m)				
Rack-mount	Dimensions (W × D × H) (mm)	440 × 338 × 88 (S)		440 × 410 × 132 (S)	
	Packaged dimensions (W × D × H) (mm)	611 × 448 × 208 (S)		611 × 505 × 235 (S)	
	Net weight (kg)	14.6 (S)	17.2 (S)	21.3 (S)	26.7 (S)
	Gross weight (kg)	16.8 (S)	20.4 (S)	24.5 (S)	30.5 (S)

- S means standard model, H means long time model.
- All specifications are subject to change without notice.
- Custom-made specifications are acceptable.

