

File servers  
 Industrial processes  
 Security systems  
 Telecommunications hardware  
 Photovoltaic (solar) sources  
 Electro-medical applications  
 Mobile installations (subject to impact and vibration requirements)



## Sinux INVERTERS

Sinux is a range of 12/23/48/110 Vdc inverters with a 230 Vac 50Hz sinewave output.

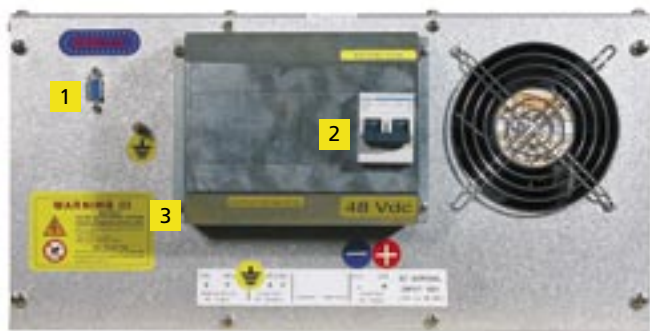
The output is galvanically isolated thanks to a built in transformer.

The inverters are very efficient and have a wide input voltage window, that allows them to be used directly with photovoltaic (solar) panels.

### CHARACTERISTICS

- **Standard galvanic isolation**  
the system has a built in transformer to ensure galvanic isolation
- **Wide input voltage range**  
the inverters have a wide input range and are compatible with photovoltaic systems and do not require extra regulation hardware
- **Full diagnostics**  
the inverters provide both visual and audible status and diagnostic information
- **Built-in protection**  
protection includes: over and under voltage, reverse polarity, overloads, short circuits and over temperature
- **Automatic restart**  
the inverters auto restart when the alarm condition is resolved
- **Manual bypass**  
optional
- **Special versions**  
available on request.





- 1. Interface connector
- 2. Input protection
- 3. Input/output connections

## Sinux INVERTERS S12 (12Vdc input)

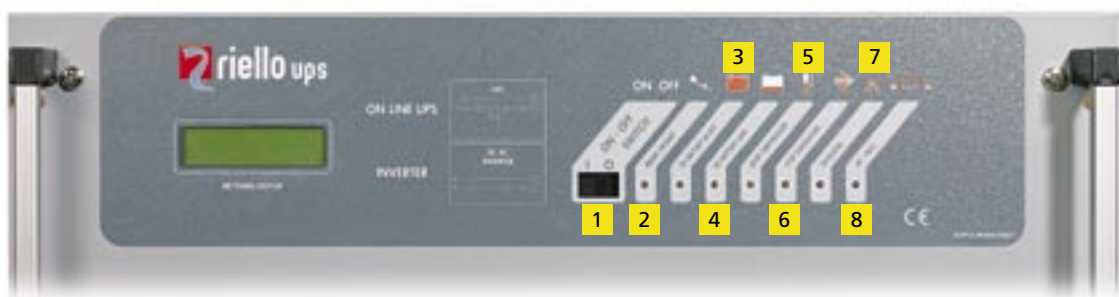
| MODELS                | S12 120    | S12 160 | S12 350 | S12 460    | S12 580 | S12 690    | S12 800 |
|-----------------------|------------|---------|---------|------------|---------|------------|---------|
| POWER                 | 115W       | 161W    | 345W    | 460W       | 575W    | 690W       | 805W    |
| INPUT                 |            |         |         |            |         |            |         |
| Rated voltage         | 12V        |         |         |            |         |            |         |
| Voltage range         | 10,2-18V   |         |         |            |         |            |         |
| OUTPUT                |            |         |         |            |         |            |         |
| Output current (A)    | 0.5        | 0.7     | 1.5     | 2          | 2.5     | 3          | 3.5     |
| Overload (W) for 5"   | 300        | 400     | 600     | 800        | 1000    | 1200       | 1400    |
| OPTIONS               |            |         |         |            |         |            |         |
| Weight (kg)           | 13         | 15      | 30      | 32         | 35      | 40         | 45      |
| Dimensions (hwd) (mm) | 4Ux19"x410 |         |         | 4Ux19"x510 |         | 5Ux19"x510 |         |

## Sinux INVERTERS S24 (24Vdc input)

| MODELS                | S24 030    | S24 230    | S24 320 | S24 530 | S24 780 | S24 920    | S24 1K1 |
|-----------------------|------------|------------|---------|---------|---------|------------|---------|
| POWER                 | 30W        | 230W       | 322W    | 529W    | 782W    | 920W       | 1150W   |
| INPUT                 |            |            |         |         |         |            |         |
| Rated voltage         | 24V        |            |         |         |         |            |         |
| Voltage range         | 19-43V     |            |         |         |         |            |         |
| OUTPUT                |            |            |         |         |         |            |         |
| Output current (A)    | 0.13       | 1          | 1.4     | 2.3     | 3.4     | 4          | 5       |
| Overload (W) for 5"   | 50         | 600        | 800     | 1000    | 1200    | 1600       | 2000    |
| OPTIONS               |            |            |         |         |         |            |         |
| Weight (kg)           | 3          | 13         | 15      | 19      | 30      | 32         | 35      |
| Dimensions (hwd) (mm) | 2Ux19"x160 | 4Ux19"x410 |         |         |         | 4Ux19"x510 |         |

| MODELS                | S24 1K4    | S24 1K6 | S24 1K8 | S24 2K7    | S24 3K6 | S24 4K1 |
|-----------------------|------------|---------|---------|------------|---------|---------|
| POWER                 | 1380W      | 1610W   | 1840W   | 2760W      | 3680W   | 4140W   |
| INPUT                 |            |         |         |            |         |         |
| Rated voltage         | 24V        |         |         |            |         |         |
| Voltage range         | 19-43V     |         |         |            |         |         |
| OUTPUT                |            |         |         |            |         |         |
| Output current (A)    | 6          | 7       | 8       | 12         | 16      | 18      |
| Overload (W) for 5"   | 2500       | 2800    | 3000    | 4000       | 5000    | 6000    |
| OPTIONS               |            |         |         |            |         |         |
| Weight (kg)           | 40         | 45      | 52      | 60         | 72      | 80      |
| Dimensions (hwd) (mm) | 5Ux19"x510 |         |         | 5Ux19"x710 |         |         |

Product characteristics can be customised to meet client specifications.



1. On-Off switch
2. Line present
3. Battery working
4. Battery low  
battery discharged
5. Overtemperature
6. Lock for temperature
7. Overload
8. By-pass

## Sinux INVERTERS S48 (48Vdc input)

| MODELS                | S48 030    | S48 100 | S48 150 | S48 320    | S48 460 | S48 690 | S48 920 | S48 1K1    |
|-----------------------|------------|---------|---------|------------|---------|---------|---------|------------|
| POWER                 | 30W        | 100W    | 150W    | 322W       | 460W    | 690W    | 920W    | 1150W      |
| INPUT                 |            |         |         |            |         |         |         |            |
| Rated voltage         | 48V        |         |         |            |         |         |         |            |
| Voltage range         | 39-60V     |         |         |            |         |         | 39-80V  |            |
| OUTPUT                |            |         |         |            |         |         |         |            |
| Output current (A)    | 0.13       | 0.45    | 0.65    | 1.4        | 2       | 3       | 4       | 5          |
| Overload (W) for 5"   | 50         | 130     | 230     | 800        | 1000    | 1200    | 1500    | 2000       |
| OPTIONS               |            |         |         |            |         |         |         |            |
| Weight (kg)           | 3          | 3.5     | 4       | 13         | 15      | 19      | 30      | 32         |
| Dimensions (hwd) (mm) | 2Ux19"x160 |         |         | 4Ux19"x410 |         |         |         | 4Ux19"x510 |

| MODELS                | S48 1K4    | S48 1K7    | S48 2K0 | S48 2K5 | S48 3K4    | S48 4K1 | S48 5K0 | S48 6K2 | S48 6K9 |
|-----------------------|------------|------------|---------|---------|------------|---------|---------|---------|---------|
| POWER                 | 1380W      | 1725W      | 2070W   | 2530W   | 3450W      | 4140W   | 5060W   | 6210W   | 6900W   |
| INPUT                 |            |            |         |         |            |         |         |         |         |
| Rated voltage         | 48V        |            |         |         |            |         |         |         |         |
| Voltage range         | 39-80V     |            |         |         |            |         |         |         | 39-60V  |
| OUTPUT                |            |            |         |         |            |         |         |         |         |
| Output current (A)    | 6          | 7.5        | 9       | 11      | 15         | 18      | 22      | 27      | 30      |
| Overload (W) for 5"   | 2500       | 3500       | 4000    | 4500    | 6000       | 7000    | 8000    | 9000    | 10000   |
| OPTIONS               |            |            |         |         |            |         |         |         |         |
| Weight (kg)           | 35         | 40         | 45      | 52      | 60         | 66      | 72      | 78      | 83      |
| Dimensions (hwd) (mm) | 4Ux19"x510 | 5Ux19"x510 |         |         | 5Ux19"x710 |         |         |         |         |

Product characteristics can be customised to meet client specifications.

## Sinux INVERTERS SK1 (110Vdc input)

| MODELS                | SK1 030    | SK1 100 | SK1 150 | SK1 320    |
|-----------------------|------------|---------|---------|------------|
| POWER                 | 30W        | 104W    | 150W    | 322W       |
| INPUT                 |            |         |         |            |
| Rated voltage         | 110V       |         |         |            |
| Voltage range         | 88-145V    |         |         |            |
| OUTPUT                |            |         |         |            |
| Output current (A)    | 0.13       | 0.45    | 0.65    | 1.4        |
| Overload (W) for 5"   | 50         | 130     | 180     | 800        |
| OPTIONS               |            |         |         |            |
| Weight (kg)           | 3.5        | 4       | 4       | 13         |
| Dimensions (hwd) (mm) | 2Ux19"x160 |         |         | 4Ux19"x410 |

| MODELS                | SK1 460    | SK1 690 | SK1 920 | SK1 1K1    | SK1 1K4 |
|-----------------------|------------|---------|---------|------------|---------|
| POWER                 | 460W       | 690W    | 920W    | 1150W      | 1380W   |
| INPUT                 |            |         |         |            |         |
| Rated voltage         | 110V       |         |         |            |         |
| Voltage range         | 88-145V    |         |         |            |         |
| OUTPUT                |            |         |         |            |         |
| Output current (A)    | 2          | 3       | 4       | 5          | 6       |
| Overload (W) for 5"   | 1000       | 1200    | 1500    | 2000       | 2500    |
| OPTIONS               |            |         |         |            |         |
| Weight (kg)           | 15         | 19      | 30      | 32         | 35      |
| Dimensions (hwd) (mm) | 4Ux19"x410 |         |         | 4Ux19"x510 |         |

| MODELS                | SK1 1K7    | SK1 2K0 | SK1 2K5 | SK1 2K8 |
|-----------------------|------------|---------|---------|---------|
| POWER                 | 1725W      | 2070W   | 2530W   | 2875W   |
| INPUT                 |            |         |         |         |
| Rated voltage         | 110V       |         |         |         |
| Voltage range         | 88-145V    |         |         |         |
| OUTPUT                |            |         |         |         |
| Output current (A)    | 7.5        | 9       | 11      | 12.5    |
| Overload (W) for 5"   | 3500       | 4000    | 4500    | 5000    |
| OPTIONS               |            |         |         |         |
| Weight (kg)           | 40         | 45      | 50      | 55      |
| Dimensions (hwd) (mm) | 5Ux19"x510 |         |         |         |

| MODELS                | SK1 3K5    | SK1 4K1 | SK1 5K0 | SK1 6K2 | SK1 6K9 |
|-----------------------|------------|---------|---------|---------|---------|
| POWER                 | 3450W      | 4140W   | 5060W   | 6210W   | 6900W   |
| INPUT                 |            |         |         |         |         |
| Rated voltage         | 110V       |         |         |         |         |
| Voltage range         | 88-145V    |         |         |         |         |
| OUTPUT                |            |         |         |         |         |
| Output current (A)    | 15         | 18      | 22      | 27      | 30      |
| Overload (W) for 5"   | 6000       | 7000    | 8000    | 9000    | 10000   |
| OPTIONS               |            |         |         |         |         |
| Weight (kg)           | 60         | 66      | 72      | 78      | 83      |
| Dimensions (hwd) (mm) | 5Ux19"x710 |         |         |         |         |

Product characteristics can be customised to meet client specifications.