

Σ -Ahr Stabilizer

This premium (non-isolated) DC/DC converter provides you a regulated voltage of 24V ($\pm 2\%$), protecting your loads from over-voltage and under-voltage damage. The high power, high efficiency characteristics makes the Σ -Ahr Stabilizer your best choice for sensitive loads in harsh environments.



Over 97% efficiency

Low losses reduce the number of additional solar modules and battery capacity required, keeping overall system costs as low as possible.

High temperature resistance

Solar energy systems operate in the hottest environments. Temperatures inside the control box can easily exceed 75°C. The Σ -Ahr Stabilizer is designed to operate up to 85°C without forced cooling maintaining full power output.

Capable of handling extreme loads

The Σ -Ahr Stabilizer is able to power extreme capacitive and inductive loads, such as motors with high starting currents. It is also short circuit protected making this a truly unique product.

Compact design, high performance

The Σ -Ahr Stabilizer can handle loads of up to 1320W continuously while taking less than 2 dm³ in space minimizing your enclosures and lowering your costs

Versatile

The Σ -Ahr Stabilizer can be used for multiple types of loads like motors, solenoids, capacitors, valves, etc.

Specifications

Typical specifications	
Nominal input voltage	20 - 60 Vdc
Nominal output voltage (typical)	24 Vdc \pm 2%
Maximum continuous output current @ 25°C	55 A @ 25°C
Maximum continuous output current @ 85°C	55 A @ 85°C
Operating efficiency	97 %

General specifications	
Full operating temperature (without derating)	-10°C to +85°C
Storage temperature	-30°C to +85°C
Mounting	Indoor
Dimensions (H x W x D)	16.0 x 8.0 x 14.6 cm
Unit weight	0.79 kg
Standards	IEC 61000-6-2 IEC 61000-6-4

Features:

- Output voltage alarm (\pm 4%)
- Remote shutdown (for load disconnect)
- Output blocking/O-Ring/reverse current protection incorporated