

Σ-Ahr SmartView

Your off-grid solar energy system is vital for keeping your production going. You want to know everything about your system's performance. The Σ-Ahr SmartView provides you with all information available in the Σ-Ahr Controller supporting you to optimize production, support your maintenance and extend the life time of your solar energy system.



Cost effective

Simple and cost effective design without compromising on available parameters

Data acquisition

All data parameters from the Σ-Ahr Controller and connected Extensions can be made available on the display.

Control

Displayed data can be selected via the local push buttons on the unit or via a remote push button. Required data can be selected and viewed through a window without the need to open the enclosure.

System health

Parameters will help you analyse system performance during maintenance.

Specifications

Typical specifications	
Supply voltage	12 - 75 Vdc
Power dissipation	<2 W
LED indication	Operational Button pressed

General specifications	
Operating temperature	-20 °C to +85 °C
Storage temperature	-30 °C to +85 °C
Humidity	100% non-condensing
Display	4 x 20 character transfective LCD
Control	5 local capacitive touch buttons 1 external push button connection
Mounting	Indoor
Fixation	DIN rail 35 mm
Dimensions (H x W x D)	12.8 x 14.0 x 4.0 cm
Weight	0.2 kg
Communication with Σ -Ahr controller	RS-485 management port
Maximum wire size	1.5 mm ²
Approvals	CE
Standards	IEC 61000-6-2 IEC 61000-6-4

Displayed data	
Solar array current	Ah in
Battery current	Ah out
System output current	Charge factor
Battery voltage	Time boost/bulk
Battery temperature	Time float
Battery State of Charge	Time battery
Essential load current	All currents Controller/Extension
Non-essential load current	All voltages Controller/Extension
Battery voltage minimum	Settings battery type
Battery voltage maximum	Software version controller
Battery temperature maximum	Actual alarms