

# Σ-Ahr Graphic Data Manager

Your off-grid solar energy system is vital for keeping your production going. You want to know everything about your system's performance and what is to be expected. The Graphic Data Manager provides you with all of this information so you can optimize production, support your preventive maintenance and extend the life time of your solar energy system.



## 3.5" TFT display

Incredibly clear visualization of process parameters. In the blink of an eye your system's performance is available and clear.

## Data acquisition

Up to 34 data parameters from the charge controller can be read and processed.

## Data logger

System information is standard logged every 5 minutes and can be safely archived for up to 2 years.

## System health

Parameters and stored data will help you analyse events and system performance, perform preventive maintenance, keeping your system's health and performance at the highest level.

## Prepare for the future

The more you know, the better you can perform. The Graphic Data Manager provides information preparing your company for future projects. By connecting the Graphic Data Manager to your control room your Solar Energy System is Industry 4.0 ready.

## Σ-Ahr Graphic Data Manager

Electrical characteristics	
Supply voltage	20 - 30 Vdc
Power dissipation	2.2 W

General specifications	
Operating temperature	0 to 85°C
Storage temperature	-20°C to 85°C
Display	3.5" TFT colour (320 x 240 pixels)
Control	4 push buttons
USB port	USB 1.1
Programmable analogue input	4
Programmable relay output	5
Modbus master channels	30

Monitoring and logging	
Max. # of parameters	34
Logging interval	Every 5 minutes (TSS standard)
Memory for data storage	50 MB
Max. storage time	2 years (TSS standard)
Removable media	USB stick up to 8 GB
Data format	Open CVS or secure format

Communications	
Ethernet	10/100 baseT autosensing/negotiating
Protocols	Modbus TCP/IP master/slave Ethernet/IP client/server
Network addressing	DHCP or Fixed (static) IP addressing

Dimensions and weight	
Dimensions L x W x H	16.0 x 12.0 x 14.6 cm
Weight	0.7 kg