



**Electric Automation**  
Automation specialists

Reference: EOSBOXDXXX

Selected parameters FUNCTION Web Server for Eos-Array  
MOUNTING Wall and DIN-rail OUTPUT INPUT PORT RS485  
serial port COMMUNICATION Ethernet Others RANGE None  
DISPLAY None VIARIABLES None NUMBER OF INPUTS 4  
NUMBER OF OUTPUTS None POWER SUPPLY 100 to 240VAC



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## Energy Management

Control solution for Solar PV applications

Type Eos-Box

- 100 to 240VAC power supply
- Dimensions(WxHxD): 225 x 225 x 45 mm
- Protection degree (front): IP20
- Fan-less embedd> • Windows XP embedd> • Managed information: V, A, kW, kWh, sun-irradiation, cell-temperature, air- temperature, wind speed on the DC part of the photovoltaic park and V, A, kW, kWh on the AC part and from both inverters and energy meters.
- Efficiency calculation and control on three different levels: string, BOS and total
- Variables shown as graphs and numbers in format- ted tables
- Alarms control and automatic e-mailing and SMS management in case of GPRS modem external con- nection
- All data exports on XLS format
- Data storage up to 15 years in a 8GB DOM Memory
- Four RS485 communication ports (Modbus)
- One Ethernet port

Product description

How to order

Eos-Box D XX X

Eos-Box is a fan-less embed- ded PC with Web-server capability suitable to gather photovoltaic plant information from Eos-Array, inverters, energy meters and interface protection. Eos-Box provides information in a quick and automatic fashion via the internet using a standard browser, so the data is avail- able wherever you are. Eos- Box shows information such as: V, A, kW, kWh, sun- irradiation, cell-temperature, air- temperature, wind speed on the DC part of the photovolta- ic park and V, A, kW, kWh on the AC part coming from both inverters and energy meters. All data are available as graphs and numbers infor-

Model

Power supply

Option

Special features

matted tables. Eos-Box performs alarms controlmanag- ing also automatic e-mailing and SMS when proper GPRS

modem is connected. All available data can be export- ed as spread sheets for further analysis.

Type Selection

Power supply

Option

Special features

D: from 100 to 240VAC (\*)

XX: none (\*)

X: none (\*)

(\*) as standard.

Hardware

Type Embetd>ProcessorAMD LX800 500 MHz

ChipsetAMD LX+CS5536+ITE8888G

BIOSPhoenix-Award 4Mbit with RPL/PXE LAN Boot ROM. SmartView and customer

CMOS backup

Memory

DDR 256MB SODIMM DOM8GB

Back-up Industrial

CompactFlash™ 8GB Type II (on request)

Communication ports

RS4853 ports for Eos-Array bus management

1 port for Inverter, Interface protection and Energy meters

Ethernet 1 for internet/LAN

connection

1 for local access

Other ports

USB 3, for local access and ser- vice

Specifications are subject to change without notice Eos-Box DS 280909 1