

Generate your Power

Protect PV String Solar Inverters

The most compact solar inverters provides highest efficiency and reliability

Inverter 25 kW
Inverter 33 kW



Main features State of the Art products

- Transformerless design
- Over 96 % conversion efficiency
- Plug & Play
- Over 99% MPP Tracker efficiency
- Up to 9 MPP Trackers
- Very compact design
- Forced air convection with variable speed fan
- ENS meet VDE 0126
- LCD Display
- Easy operation
- Powerful Communication Interfaces
- Modular design allows internal redundancy

Protect Logger

- Designed for Protect PV family
- Easy installation
- Plug & Play
- Graphic Display via LCD
- Memory storage via USB memory stick
- Universal AC power input
- Remote communications via Ethernet
- Remote communications via GPRS
- Alarm notification by SMS or e-mail
- 2 analog inputs for temperature and irradiance
- Monitoring up to 20 inverters
- N loggers can be set in parallel



PERFECT IN FORM AND FUNCTION

AEG

Protect PV: Specification

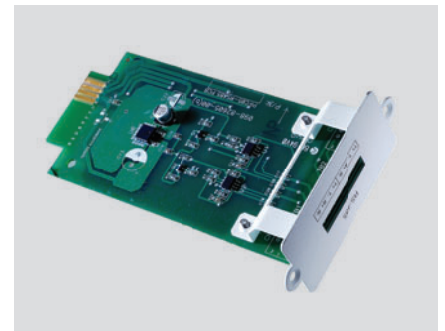
MODEL	Protect PV 25	Protect PV 33
DC INPUT		
Nominal DC voltage	640 VDC	640 VDC
Max. PV open voltage	800 VDC	800 VDC
MPPT-range	300–800 VDC	300–800 VDC
Working range	200–800 VDC	200–800 VDC
Number of MPP Tracker	6	9
Input current	13 A/MPPT	13 A/MPPT
AC OUTPUT		
Output power	25000 W	33000 W
Operational voltage	400 V x3, -15 % +10 %	400 V x3, -15 % +10 %
Operational Frequency	50 Hz	50 Hz
Current distortion	< 3 %	< 3 %
Power Factor (cos φ)	~ 1	~ 1
SYSTEM		
Display	LCD Display 128 x 64 Graphic Display	LCD Display 128 x 64 Graphic Display
Max. efficiency	> 96 %	> 96 %
Euro efficiency	> 95 %	> 95 %
Protection degree	IP 20	IP 20
Operation temp.	-20° C ~ 55° C	-20° C ~ 55° C
Humidity	0 ~ 95 %, Forced air cooling Fan with variable speed	0 ~ 95 %, Forced air cooling Fan with variable speed
Comm. Interface	Standard: RS232 Optional RS485 and others Modbus Protocol	Standard: RS232 Optional RS485 and others Modbus Protocol
MECHANICAL		
H x D x W (cm)	65 x 46 x 50	65 x 46 x 50
Weight (kg)	90	90

Protect PV Logger

Supply AC	90–250 VAC, 50/60 Hz
Operational temp.	-10° C ~ 40° C
Storage temp.	-20° C ~ 60° C
Alarm relay	1 A/24 VDC
INTERFACE	
RS232	1, DB9
RS485	1, Terminal block
Ethernet	1, RJ45
WiFi	1, WiFi Ethernet Router enable
GPRS	1, GPRS modem via USB port
LCD	Graphic Display
MECHANICAL	
W x D x H (mm)	150 x 95 x 25
Weight (g)	350

RS485 optional card

Transmission mode	Full Duplex
Operational temp.	-20° C ~ 55° C
MECHANISCHE DATEN	
W x D x H (mm)	60 x 130 x 1,6
Weight (g)	60,8



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For further information
please refer to our website:

www.aegps.com

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