PROTECT PV.OD

COMPACT OUTDOOR UNITS FOR PV POWER STATIONS



The Protect PV solar inverter product line, designed by AEG Power Solutions, offers professional solutions for utility-scale applications on ground area installations.

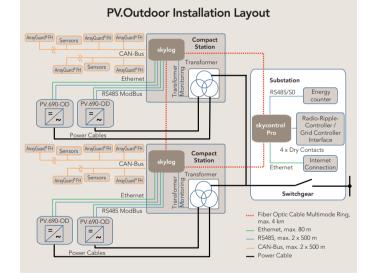
The Protect PV.Outdoor System consist of a durable, external, weatherproof metal housing and an integrated, high-efficiency, solar central inverter, either the PV.690 or the PV.880.

The design offers many advantages during transport, installation, and service thanks to its light weight and its small dimensions.

The PV.Outdoor offers ease of use and maintenance as is standard for all AEG products. In addition, AEG Power Solutions has developed a unique cooling system that provides optimal air circulation within the inverter. The enclosure consists of doublewalled aluminum with a stainless steel plinth for mounting onto a concrete foundation. Additional components, such as transformers and medium-voltage switchgear, are part of the separate Compact Station, which can combine the output from two PV.Outdoor systems.

Ethernet and fiber optic communication channels connected to the skylog via open standards such as ModBus or Ethernet form the foundation for communications in PV power plants using AEG PS solar central inverters.

A powerful and proven online communications platform allows owners and operators to view the current and historical system status instantaneously. With over 60 years of experience in power supply systems and solutions for power plants, AEG Power Solutions offers a comprehensive range of services aimed at securing maximum yields for your PV power installation. These services include contractual solutions with service guarantees and high inverter availability.







630 - 945 kWp 465 - 1000 V	800-1300 kWp
	800-1300 kWp
ACC 1000 V	and the second
	486 - 1000 V
Y	V 000
550-820	573-820
	1640 A
	MCCB
	s (pas& neg)
Gr	ade 2
630 kVA	BOO KVA
690 kVA	SB0 kVA
lag 0.9 -	1 - lead 0,9
345 V	360 V
1159 A	1411 A
10, 20, 33 kV and	d others as required
50	/60 Hz
	3%
G	ade 2
98.4% / 98.2% / 98.2%	98.7% / 98.3% / 98.5%
	0 V 90/60 Hz
711-54-5-	to +50 °C
	, non condensing
	P 54
1,500 m (3000 m max 40 °C)	
the second se	50 x 900 mm
approx, 1900 kg	арргок. 1850 kg
	00 W
	Air
Ou	recht
400	0 m²/h
	1.7035
12	Yies
according to FNN (VDN, BDEW) an	d corresponding to local requirement
	Yess
	Yes
	Yes
	Yes
	detailed history
a surrey prov	
200 - 64 marchinel 1 C	Display and & daplay hour
240 v 64 (graphical LC Display and 4 display keys RS 485, RS 232, CAN BUS, Ethernet Frienly programmable optic coupler inputs and dry contacts	
	A CONTRACTOR OF A CONTRACTOR OFTA CONTRACTOR O
ISDN, GSM, GPRS, DSL	
Modbus, Profibus DP, Web portal, CANopen CiA 437 Option	
0	Farat
	ompact stabons
	ompact stations
No	Yea
	Yes
	up to 8 pc Gr Gr 630 kVA 690 kVA lag 0.9- 345 V 1159 A 10, 20, 33 kV and 50 4 Gr 98.4% / 98.2% / 98.2% TN-5, 23 20 °C 15 _ 95 % mai 1 3,500 m (30 2200 s 22 approx. 1800 kg 1 0 Gr 400 RA according to FNN (VDN, 8DEW) and RA according to FNN (VDN, 8DEW) and RA according to FNN (VDN, 8DEW) and SAS, RS 232, Frendy programmable option ISDN, GST Modbue, Profibus DP, We O

*1: Depending on local environmental conditions - *2: External transformer necessary *2: Without transformer (LV/MV) - Technical data is preliminary and sobject to change without prior notice.



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