PROTECT 8 INDUSTRIAL UPS

Protect 8.31 Single Phase output

Protect 8.33 Three Phase output 10 kVA – 120 kVA

> 400 VAC input 216 VDC link 384 VDC link



Engineering is our business

UPS systems from AEG Power Solutions ensure the continuous availability of all global industrial requirements in oil & gas, petrochemical, power generation, transportation and other heavy industries.

Robust, efficient, reliable & flexible

The state-of-the-art, double-conversion topology and design of the Protect 8 is flexible, meets practically all conceivable customer requirements and is suitable for use in harsh environments.

With the Protect 8 you will benefit from a robust and easy to operate UPS meeting the relevant EMC and other international standards. It can be custom-designed for use in harsh industrial environments. With an expected lifetime of at least 20 years, the Protect 8 is a robust and cost-effective solution optimized for minimal operating costs. Designed for highly demanding applications, the Protect 8 will ensure safe operation of your critical loads, delivering total control wherever reliability, availability and maintainability are required.

Designed for all industrial applications

- »Oil & Gas, Petrochemicals (offshore, onshore, pipelines)
- >> Energy and Power (generation, transmission, distribution)
- >> Transportation (rail, airports, shipping, highways, tunnels)
- >> Water (desalination, treatment)
- »Instrumentation & Process Control (chemicals, mining, steel, paper, emergency lightning)
- » All industrial production processes



KEY FEATURES



Full digital control

- » High reliability (no potentiometers)
- » High flexibility (software controlled parameters)
- >> Fast dynamic response

Ergonomic control unit with high resolution graphical display.

High efficiency even at low output power

- » Reduced operating costs
- » Reduced air conditioning requirements
- » Reduced battery AH requirements

Oversized components

- » Higher reliability and MTBF
- >> High overload capacity
- »Input isolation transformer (216 VDC version)
- »Output isolation transformer
- »Standardized modules
- >> Low maintenance
- >> Short circuit resistant

Redundant controls

- Separate microprocessors for rectifier, inverter and static bypass switch
- Separate and redundant power supplies for control cards
- » Redundant and monitored fans

- Compatible with vented Lead Acid, Valve Regulated Lead Acid (VRLA) and Nickel Cadmium batteries
- »Intelligent battery management, test and status diagnostics
- Designed to operate with diesel generators

High protection degree

- » Ready for harsh environment
- » IP rating possible up to IP43
- >> Strong mechanical design
- >> Seismic proof (optional)

Capable of communications with computer and control systems (SCADA, ESD, DCS, BMS)

- » Modbus / J-bus
- >> Profibus
- >> Monitoring software
- >> Ethernet, SNMP...
- » Remote monitoring and control capabilities (programmable)
- System and alarm status via potential free contacts

Complete system

Protect 8 is a true on-line double conversion UPS classified as VFI SS 111 according to IEC 62040-3

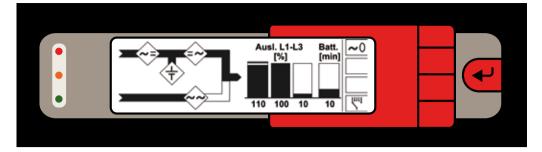
The outstanding UPS range features

- On-line operation ensuring permanent service
- »Microprocessor-driven control and command system to provide reliable power supply
- »A battery management system that ensures life time and cuts operating costs
- »A broad range of output power ratings, battery autonomy times and options to meet the need of complex applications

The UPS offers a very high level of protection for users and connected equipment

- » High intermittent overload capability
- » High level short circuit strength
- » N-conductor with full loading capacity (3 phase systems)
- » Excellent dynamic response can easily handle high loads

UNIQUE DESIGN



Parallel operation for capacity and performance

Protect 8 protects your processes even in cases of significantly greater power requirements or particularly exacting reliability requirements. This is ensured by a unique Flexible Multi-Master Technology (FMMT) in parallel mode. This technology is realized by high-speed, robust and redundant communication via the CAN bus which is now in widespread use in safety systems employed, for example, in the automotive industry. Two individual units continuously undertake master functions. Each individual unit can take over this master function instantaneously, if required, by a defined strategy on the basis of the situation in the overall system.

AEG PS parallel systems are characterized by their high levels of availability, robustness and reliability in industrial applications. Flexible Multi-Master Technology and CAN bus communication enables up to 8 UPS' to be connected in parallel for increased power, redundancy or system upgrade.

Parallel UPS' can be operated with a central battery.

Three microprocessor control system

These microprocessors simultaneously monitor and control the rectifier, inverter and static switch units.

This control has been specially designed to provide a high reliable power supply.

Display and Operating Unit

Intelligent Display and Operation Unit (DOU) with automatic system recognition, general status via colored LEDs, acoustic signals, multilingual menu display in 18 languages, simple operation by display buttons, display icons for the power flow, digital display values, unit status with text display, real-time clock, menu-driven system start-up and data logger for malfunction history with time stamp (750 events).

Battery test and system test can be activated by the menu.

End to end solutions

Exact solutions engineered for each application.

Possible UPS configurations

- » Single systems
- » Parallel systems
- » Inverter system

Additional system equipment

- » Bypass transformer
- » Voltage stabilizers
- » Maintenance Bypass Switch
- »AC distribution panels
- » Battery cubicles
- Explosion proof battery circuit breaker enclosures

Project management

- » Quality plan
- >> Project planning
- » Progress reviews
- » Manufacturing reviews
- >> Factory acceptance tests
- » Site acceptance test

Customized documentation

- >> Text translations to any language
- >> Document numbering

PROTECT 8.31

SPECIFICATION
SIINGLE PHASE OUTPUT
216 VDC



MODEL	P8.31-10	P8.31-20	P8.31-30	P8.31-40	P8.31-60	P8.31-80				
Nominal rating (at cos φ 0.8 lag) in kVA	10	20	30	40	60	80				
RECTIFIER UNIT										
nput nominal voltage			3 x 400 V (3 x 3	380 V, 3 x 415 V)						
nput operating range (min. / max.)	340 V – 460 V									
requency	50 / 60 Hz ±10 %									
nput current in A at nominal load	16									
Charging characteristic to IEC 478-10	16 35 56 68 100 134 IU									
Nominal DC voltage		220 V								
Rectifier type Standard Optional	6 pulse Filter	6 pulse Filter	6 pulse 12 pulse	6 pulse 12 pulse	12 pulse	12 pulse				
NVERTER UNIT										
OC input			216 V	± 20 %						
Nominal AC voltage				0 V, 240 V)						
Output voltage static response				±1 %						
Output voltage dynamic response				±2 %						
Recovery time				ms						
requency				60 Hz						
requency tolerance without mains				1.1 %						
requency synchronization range				2 %, ±3 %)						
Power factor range			· · · · · · · · · · · · · · · · · · ·	· · · · ·						
Jnbalanced-load response	capacitive to inductive over entire cos φ-range at 100 % unbalanced load: voltage deviation <2 %; angle deviation <2 degrees el.									
•	43	87	130	174	261	348				
Output phase current in A	43	0/		soidal	201	340				
oltage wave form										
/oltage distortion				3 %						
Crest factor	max. 3									
Overload response 1 min.				0 %						
Overload response 10 min.				5 %						
Short circuit response		sn	ort circuit proot, snor	t circuit current 2.7 x I,	nom					
STATIC BYPASS SWITCH			0201//02	0.14.040.14						
AC voltage -				0 V, 240 V)						
requency		50 / 60 Hz								
Nominal power in kVA	10	20	30	40	60	80				
GENERAL DATA										
efficiency (AC to AC) – typical	up to 90 %									
Noise level depending on rating	<55 – 70 dB (A)									
EMC compatibility Air cooling with redundant and nonitored fans	EN 62040-2 Yes									
Operating temperature range nin. / max. (without de-rating)	-5°C/+40°C									
storage temperature range min. / max.	− 30 °C / +75 °C									
Maximum altitude without de-rating	1000 m									
Protection degree IEC 529/EN 60529 tandard system	IP40 / optional IP43									
quipment color	RAL 7035 (other colors on request)									
VEIGHTS AND DIMENSIONS					1010	1810				
	1810	1810	1810	1810	1810	1010				
WEIGHTS AND DIMENSIONS Height standard UPS (mm) Height with max. options (mm)	1810 1915	1810 1915	1810 1915	1810 1915	2015	2015				
Height standard UPS (mm)										
Height standard UPS (mm) Height with max. options (mm)	1915	1915	1915	1915	2015	2015				

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SPECIFICATION
THREE PHASE OUTPUT
216 VDC



MODEL	P8.33-10	P8.33-20	P8.33-30	P8.33-40	P8.33-60	P8.33-80	P8.33-100	P8.33-120		
Nominal rating (at cos φ 0.8 lag) in kVA	10	20	30	40	60	80	100	120		
RECTIFIER UNIT										
Input nominal voltage	3 x 400 V (3 x 380 V, 3 x 415 V)									
Input operating range (min. / max.)	340 V – 460 V									
Frequency				50 / 60 H	Iz ±10 %					
Input current in A at nominal load	16	35	56	68	100	134	166	200		
Charging characteristic to IEC 478-10				IL	J					
Nominal DC voltage	220 V									
Rectifier type - Standard - Optional	6 pulse Filter	6 pulse Filter	6 pulse 12 pulse	6 pulse 12 pulse	12 pulse	12 pulse	12 pulse	12 pulse		
INVERTER UNIT										
DC input				216 V :	±20 %					
Nominal AC voltage				3 x 400 V (3 x 3	80 V, 3 x 415 V)					
Output voltage static response				< ±	1 %					
Output voltage dynamic response				< ±	2 %					
Recovery time				1 r	ns					
Frequency				50 / 6	60 Hz					
Frequency tolerance without mains				±0.	1 %					
Frequency synchronization range				±1 % (±2	%, ±3 %)					
Power factor range			capacit	ive to inductive	over entire cos q	o-range				
Unbalanced-load response		at 100 %	unbalanced loa	d: voltage deviat	tion <2 %; angle	deviation <2 d	egrees el.			
Output phase current in A	14	29	43	58	87	116	145	173		
Voltage wave form				sinus	oidal					
Voltage distortion				≤3	%					
Crest factor				max	x. 3					
Overload response 1 min.				150) %					
Overload response 10 min.				125	5 %					
Short circuit response			short ci	rcuit proof, short	circuit current 2	2.7 x I _{nom}				
STATIC BYPASS SWITCH										
AC voltage				3 x 400 V (3 x 3	80 V, 3 x 415 V)					
Frequency				50 / 6	60 Hz					
Nominal power in kVA	10	20	30	40	60	80	100	120		
GENERAL DATA										
Efficiency (AC to AC) – typical				up to	90 %					
Noise level depending on rating	<55 – 70 dB (A)									
EMC compatibility				EN 62	040-2					
Air cooling with redundant and monitored fans	Yes									
Operating temperature range min. / max. (without de-rating)	-5 °C / +40 °C									
Storage temperature range min. / max.	–30 °C / +75 °C									
Maximum altitude without de-rating				100	0 m					
Protection degree IEC 529/EN 60529 standard system	IP40 / optional IP43									
Equipment color	RAL 7035 (other colors on request)									
WEIGHTS AND DIMENSIONS										
Height standard UPS (mm)	1810	1810	1810	1810	1810	1810	1810	1810		
Height with max. options (mm)	1915	1915	1915	1915	2015	2015	2015	2015		
Width (mm)	600	600	900	900	1500	1500	1500	1500		
Depth (mm)	860	860	860	860	860	860	860	860		
Weight (kg) ~	600	600	700	700	1100	1100	1700	1700		

PROTECT 8.31

SPECIFICATION
SIINGLE PHASE OUTPUT
384 VDC



MODEL	P8.31-10	P8.31-20	P8.31-30	P8.31-40					
Nominal rating (at cos φ 0.8 lag) in kVA	10	20	30	40					
RECTIFIER UNIT									
Input nominal voltage		3 × 400 V (3 × 3	380 V, 3 x 415 V)						
Input operating range (min. / max.)	340 V – 460 V								
Frequency	50 / 60 Hz ±10 %								
Input current in A at nominal load	17 33 50 66								
Charging characteristic to IEC 478-10	17 33 1U								
Nominal DC voltage	384 V								
Rectifier type									
· Standard · Optional 12 pulse	6 pulse Mains filter	6 pulse Mains filter	6 pulse 12 pulse	6 pulse 12 pulse					
INVERTER UNIT				· · · · · · · · · · · · · · · · · · ·					
		2041/	120.9/						
DC input	384 V ±20 % 230 V (220 V, 240 V)								
Nominal AC voltage									
Output voltage static response			:1 %						
Output voltage dynamic response			:2 %						
Recovery time			ms 60 Hz						
Frequency			1 %						
Frequency tolerance without mains			. , , -						
Frequency synchronization range		· · · · · · · · · · · · · · · · · · ·	? %, ±3 %)						
Power factor range	. 100.0/	· · · · · · · · · · · · · · · · · · ·	over entire cos φ-range						
Jnbalanced-load response			tion <2 %; angle deviation <2 deg	•					
Output phase current in A	43	. 87	130	174					
/oltage wave form			soidal						
Voltage distortion	≤3 %								
Crest factor	max. 3								
Overload response 1 min.									
Overload response 10 min.									
Short circuit response STATIC BYPASS SWITCH		short circuit proof, shor	t circuit current 2.7 x I _{nom}						
		220 \/ (22)	01/ 24010						
AC voltage			0 V, 240 V) 60 Hz						
Frequency	10	20	30	40					
Nominal power in kVA GENERAL DATA	10	20	30	40					
		un to	92 %						
Efficiency (AC to AC) – typical									
Noise level depending on rating	<55 – 70 dB (A) EN 62040-2								
EMC compatibility		EIN OZ	2040-2						
Air cooling with redundant and monitored fans	Yes								
Operating temperature range min. / max. (without de-rating)	-5 °C / +40 °C								
Storage temperature range min. / max.	_30 °C / +75 °C								
Maximum altitude without de-rating	1000 m								
Protection degree IEC 529/EN 60529 standard system	IP40 / optional IP43								
Equipment color	RAL 7035 (other colors on request)								
WEIGHTS AND DIMENSIONS		.3 12 7 000 (00101	ooquooy						
Height standard UPS (mm)	1810	1810	1810	1810					
Height with max. options (mm)	1915	1915	1915	1915					
Width (mm)	600	600	900	900					
Depth (mm)	860	860	860	860					
·									
Weight (kg) ~	275	325	375	550					

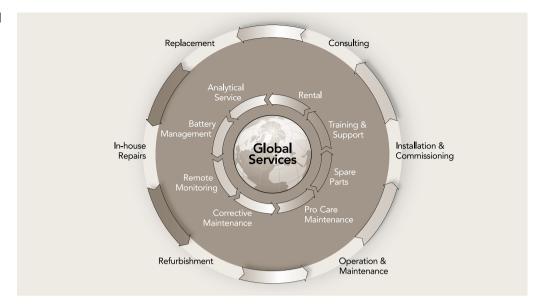
PROTECT 8.33

SPECIFICATION
THREE PHASE OUTPUT
384 VDC



MODELL R833-10											
RECHIER UNIT	MODEL	P8.33-10	P8.33-20	P8.33-30	P8.33-40	P8.33-60	P8.33-80	P8.33-100	P8.33-120		
Input operating range (min, / max.) 3x 400 / (3x 80) (3x 415 v) Frequency 19put operating range (min, / max.) 3d 0	Nominal rating (at cos φ 0.8 lag) in kVA	10	20	30	40	60	80	100	120		
Paper Pape	RECTIFIER UNIT										
Prequency	Input nominal voltage	3 x 400 V (3 x 380 V, 3 x 415 V)									
Imput current in A at nominal load 17 33 50 66 98 130 163 195 19	Input operating range (min. / max.)										
Charging characteristic to IEC 478-10 Nominal DC voltage Rectifier type	Frequency				50 / 60 H	lz ±10 %					
Naminal DC voltage	Input current in A at nominal load	17	33	50	66	98	130	163	195		
Rectifier type	Charging characteristic to IEC 478-10				IL	J					
- Standard 2 pulse	Nominal DC voltage				384	4 V					
Decinput	- Standard					12 pulse	12 pulse	12 pulse	12 pulse		
Nominal AC voltage	INVERTER UNIT										
Output voltage static response < ± 1 % Output voltage dynamic response < ± 2 % Recovery time 1 ms Frequency \$0.00 ftb Frequency tolerance without mains ± 1 % (± 2 %, ± 3 %) Frequency synchronization range ± 1 % (± 2 %, ± 3 %) Power factor range Capacitive to inductive over entire cos range Unbalanced Joad response at 100 % unbalanced load: voltage deviation <2 %; angle deviation <2 degrees el. Output phase current in A 14 29 43 88 87 116 145 173 Voltage wave form \$ sinusoidal \$ 150 % \$ 150 % \$ 173	DC input				384 V :	±20 %					
Output voltage static response < ± 1 % Output voltage dynamic response < ± 2 % Recovery time 1 ms Frequency \$0.00 ftb Frequency tolerance without mains ± 1 % (± 2 %, ± 3 %) Frequency synchronization range ± 1 % (± 2 %, ± 3 %) Power factor range Capacitive to inductive over entire cos range Unbalanced Joad response at 100 % unbalanced load: voltage deviation <2 %; angle deviation <2 degrees el. Output phase current in A 14 29 43 88 87 116 145 173 Voltage wave form \$ sinusoidal \$ 150 % \$ 150 % \$ 173											
National Properties											
Recovery time					< ±	2 %					
Frequency											
Frequency tolerance without mains											
Prequency synchronization range											
Power factor range Capacitive to inductive over entire cos -range Unbalanced-load response at 100 % unbalanced load: voltage deviation < 2 kg; angle deviation < 2 degrees el. Output phase current in A 14 29 43 58 87 116 145 173 Voltage wave form sinusoidal 150 115 115 173 Voltage distortion \$3 % \$8 87 116 145 173 Crest factor max. 3 \$8 <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<>											
Unbalanced-load response at 100 % unbalanced load: voltage deviation < 2 %; angle deviation < 2 degrees el.				canaci		· · · · · ·	-range				
Output phase current in A 14 29 43 58 87 116 145 173 Voltage wave form sinusoidal Voltage distortion ≤3 % Crest factor max. 3 Overload response 1 min. 150 % Overload response 10 min. 125 % Short circuit response short circuit proof, short circuit current 2.7 x Loon. STATIC BYPASS SWITCH AC voltage 400 V (380 V, 415 V) Frequency AC voltage 400 V (380 V, 415 V) Frequency 50 / 60 Hz Voltage May 100 M 100 M 120 M 120 M 120 M 120 M 120 M 120 M M M M M M M </th <th></th> <th></th> <th>at 100 %</th> <th>•</th> <th>,</th> <th></th> <th></th> <th>earees el</th> <th></th>			at 100 %	•	,			earees el			
Voltage wave form sinusoidal Voltage distortion £3 % Crest factor max. 3 Overload response 1 min. 150 % Overload response 10 min. 125 % Short circuit response short circuit proof, short circuit current 2.7 x loon STATIC BYPASS SWITCH STATIC BYPASS SWITCH AC voltage 400 V (380 V, 415 V) Frequency \$0 / 60 Hz Nominal power in kVA 10 20 30 40 60 80 100 120 GENERAL DATA Up to 94 % Noise level depending on rating 455 - 70 dB (A) EM 400 100 120 <th>·</th> <th>1/</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>173</th>	·	1/							173		
Voltage distortion ≤3 % Crest factor max. 3 Overload response 1 min. 150 % Overload response 10 min. 125 % Short circuit response short circuit proof, short circuit current 2.7 x l _{loon} STATIC BYPASS SWITCH 400 V (380 V, 415 V) Frequency 50 / 60 Hz Nominal power in kVA 10 20 30 40 60 80 100 120 GENERAL DATA Efficiency (AC to AC) - typical up to 94 % Noise level depending on rating ≤55 - 70 dB (A) EMC compatibility EN 62040-2 EMC compatibility EN 62040-2 Frequence Secondary of the color of th		14	27	45		-	110	145	173		
Crest factor max. 3 Overload response 1 min. 150 % Overload response 10 min. 125 % Short circuit response short circuit proof, short circuit current 2.7 x l _{soon} STATIC BYPASS SWITCH AC voltage 400 V (380 V, 415 V) Frequency 50 / 60 Hz Nominal power in kVA 10 20 30 40 60 80 100 120 GENERAL DATA Efficiency (AC to AC) – typical up to 94 % Ves Up to 94 % Ves											
Overload response 1 min. 150 % Overload response 10 min. 125 % Short circuit response short circuit proof, short circuit current 2.7 x I _{more} STATIC BYPASS SWITCH AC voltage 400 V (380 V, 415 V) Frequency 50 / 60 Hz Nominal power in kVA 10 20 30 40 60 80 100 120 GENERAL DATA Efficiency (AC to AC) – typical up to 94 % Ves											
Overload response 10 min. 125 % Short circuit response short circuit proof, short circuit current 2.7 x I _{man} STATIC BYPASS SWITCH AC voltage 400 V (380 V, 415 V) Frequency 50 / 60 H₂ Nominal power in kVA 10 20 30 40 60 80 100 120 GENERAL DATA Efficiency (AC to AC) – typical up to 94 % Noise level depending on rating cyperating temperature range EMC compatibility E N 62040-2 Air cooling with redundant and monitored fans Yes Operating temperature range min. / max. cyperating temperature range mi											
Short circuit response Short circuit current 2.7 x Start C BYPASS SWITCH	<u> </u>										
STATIC BYPASS SWITCH	· · · · · · · · · · · · · · · · · · ·			short si) 7 v l				
AC voltage	·			SHOILC	rcuit proof, short	t circuit current 2	/ X I _{nom}				
Frequency 50 / 60 Hz					400 \/ (300) / /1E \					
Nominal power in kVA 10 20 30 40 60 80 100 120											
Selection Comparison Comp		10	20	20			00	100	120		
Efficiency (AC to AC) - typical	·	10	20	30	40	60	80	100	120		
Noise level depending on rating C55 - 70 dB (A)						212					
EMC compatibility EN 62040-2 Air cooling with redundant and monitored fans Yes Operating temperature range min. / max. (without de-rating) -5 °C / +40 °C Storage temperature range min. / max. -30 °C / +75 °C Maximum altitude without de-rating 1000 m Protection degree IEC 529/EN 60529 standard system IP40 / optional IP43 Equipment color RAL 7035 (other colors on request) WEIGHTS AND DIMENSIONS WEIGHTS AND DIMENSIONS Height standard UPS (mm) 1810		1									
Air cooling with redundant and monitored fans Yes Operating temperature range min. / max. (without de-rating) −5 °C / +40 °C Storage temperature range min. / max. −30 °C / +75 °C Maximum altitude without de-rating 1000 m Protection degree IEC 529/EN 60529 standard system IP40 / optional IP43 Equipment color RAL 7035 (other colors on request) WEIGHTS AND DIMENSIONS WEIGHTS AND DIMENSIONS Height standard UPS (mm) 1810											
Comparison of the presentation of the product of	Air cooling with redundant and										
Storage temperature range min. / max. -30 °C / +75 °C Maximum altitude without de-rating 1000 m Protection degree IEC 529/EN 60529 IP40 / optional IP43 Equipment color RAL 7035 (other colors on request) WEIGHTS AND DIMENSIONS Height standard UPS (mm) 1810 1810 1810 1810 1810 1810 1810 1810 1810 Height with max. options (mm) 1915 1915 1915 1915 2015 2015 2015 2015 Width (mm) 600 600 900 900 1200 1200 1200 1200 Depth (mm) 860	Operating temperature range										
Maximum altitude without de-rating 1000 m Protection degree IEC 529/EN 60529 standard system IP40 / optional IP43 Equipment color RAL 7035 (other colors on request) WEIGHTS AND DIMENSIONS Height standard UPS (mm) 1810											
Protection degree IEC 529/EN 60529 Standard system IP40 / optional IP43											
standard system Equipment color RAL 7035 (other colors on request) WEIGHTS AND DIMENSIONS Height standard UPS (mm) 1810					1000	u m					
WEIGHTS AND DIMENSIONS Height standard UPS (mm) 1810	standard system	IP40 / optional IP43									
Height standard UPS (mm) 1810 2015 2015 2015 2015 2		RAL 7035 (other colors on request)									
Height with max. options (mm) 1915 1915 1915 1915 2015 2015 2015 Width (mm) 600 600 900 900 1200 1200 1200 1200 Depth (mm) 860 860 860 860 860 860 860 860											
Width (mm) 600 600 900 900 1200 1200 1200 1200 Depth (mm) 860	Height standard UPS (mm)	1810	1810	1810	1810	1810	1810	1810	1810		
Depth (mm) 860 860 860 860 860 860 860 860	Height with max. options (mm)	1915	1915	1915	1915	2015	2015	2015	2015		
	Width (mm)	600	600	900	900	1200	1200	1200	1200		
Weight (kg) ~ 350 370 450 470 550 800 900 900	Depth (mm)	860	860	860	860	860	860	860	860		
	Weight (kg) ~	350	370	450	470	550	800	900	900		

YOUR POWER SERVICE PARTNER



Rely on the experts to reduce failure costs and increase system availability

Global network of 20 Service Centers supported by over 150 field engineers and more than 100 certified service partners around the world. From power solution selection to process installation and commissioning, our certified experts exceed your expectations. Their excellent service helps you achieve the lowest operating cost for your mission-critical power solution.

A Global Service Team renowned for its short response times and trouble shooting efficiency ensures the reliability of your installed power solution.

Pro Care™ Start Commissioning

Ramp-up by the most experienced service experts and benefit from the manufacturer warranty. Commissioned in compliance with the latest local and international electronic norms, your system is carefully checked and optimized to meet specific on-site power needs, full operating training and hands-on advice.

Pro Care[™] Preventive Maintenance

It is well known that scheduled, recurring preventive maintenance performed by accredited service experts is the most cost effective way to secure the full performance of your Protect Power Solution at all times ensuring complete cost control, security and uninterrupted power supply for your most critical processes.

Pro Care™ Safe

Annual scheduled on-site preventive maintenance program, to secure your system operations at all times. Over 50 functionality assessments and on-site numerical diagnostics to keep your system operating at peak performance.

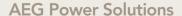
Pro Care™ Excel

Replacement and on-site installation of all defective parts at no additional cost (in addition to Pro CareTM Safe.)

Pro Care[™] Premium

Long-term piece of mind at a set price. Our service engineering team performs annual maintenance of your system and replaces all necessary parts and battery units at no additional cost.





Approach your local AEG Power Solutions representative for further support. Contact details can be found on:

