PROTECT C.

SINGLE PHASE IN / OUT UPS SYSTEM

Uninterruptible Power Supply

1-Phase Input; 1-Phase Output

1000–10000 VA power supply
with integrated batteries

36 Months Warranty UPS & Battery

VFI

High-performance UPS system for IT applications

Thanks to genuine VFI technology (online / double conversion), Protect C. is suitable for all critical business applications.

The proven VFI topology of Protect C. protects against all network problems as a matter of principle. A sinus-shaped power feed is achieved under all load conditions at the input.

Highly integrated switches and a robust IGBT module reduce the number of electrical connections and components and therefore provide for increased reliability. A static bypass switch (SBS) and/or an automated bypass ensure additional safety in case of overload.

Maximum control

The bar displays for UPS load and battery capacity, as well as the clear pictogram of the system components provide information on the essential operating conditions.

Data is transmitted through an RS232 interface. With an optional SNMP (PRO) adapter, remote monitoring via a web browser and multi-server shutdown are possible.

The special AEG shutdown software "CompuWatch" is of course included.

Switchable in parallel

Protect C. 6000 and C. 10000 offer the possibility of parallel operation. Both active redundancy and higher availability are achieved with higher power requirements being taken into account.

The combination of power increase and active redundancy is also possible, as up to 3 devices can be switched in parallel.

Protect C. meets the highest security and availability requirements and allows for an economical implementation.

Main characteristics

- VFI topology (online / double conversion) protects against all network problems
- Micro processor control / digital signal processors for maximum availability
- Sinus-shaped power feed (high-frequency pulse width modulation with IGBTs)
- Static bypass switches (SBS) for Protect C. 6000 and C. 10000, additionally integrated maintenance bypass
- n+x technology for Protect C. 6000 and C. 10000 for redundancy and performance increase
- Extension slot for SNMP, potential-free contacts, remote panel
- Also available as an S-version with reinforced charging rectifier
- 36-month warranty with replacement serice in advance (free registration required)

AEG
POWER SOLUTIONS

Classification VFI SS 211 acc. to IEC 62040-3	C. 1000	C. 2000	C. 3000		
Classification VFI SS 111 acc. to IEC 62040-3				C. 6000	C. 10000
Power type rating	1000 VA	2000 VA	3000 VA	6000 VA	10000 VA
	700 W	1400 W	2100 W	4200 W	7000 W
				Parallel connection	Parallel connection
Part number (UPS including integrated battery system)	600 000 5735	600 000 5736	600 000 5738	600 000 5877	600 000 5878
Part number (battery pack)	600 000 5739	600 000 5740	600 000 5740	600 000 5879	600 000 5880
Part number (UPS S–version)	600 000 4337	600 000 4338	600 000 4339	600 000 4340	600 000 4341
UPS INPUT					
Input voltage	220 V AC / 230 V AC / 240 V AC				
Voltage range without battery mode	160 – 300 V AC			176 – 276 V AC	
Frequency (auto selection)	50 Hz / 60 Hz ±4 Hz				
Mains current (system reaction)	λ ≥0.96			λ ≥0.98	
Current consumption at nominal load (max.)	7 A	10 A	16 A	31 A	50 A
UPS OUTPUT					
Rated output voltage (adjustable)	220 V AC / 230 V AC / 240 V AC ±2 %			220 V AC / 230 V AC / 240 V AC ±1 %	
Frequency in battery mode	50 Hz / 60 Hz ±0.2 %			50 Hz / 60 Hz ±0.1 %	
Output current (at 230 V AC)	4.3 A	8.7 A	13 A	26 A	43.4 A
Transfer time at mains outage	0 ms (without interruption)				
Voltage waveform	Sinusoidal, distortion THD <4 %				
Overload response (online operation)	<150 % for 30 s / 150 % for 300 ms			<130 % for 10 min. / 130 % for 1 s	
	Subsequent, transfer to bypass mode				
Crest factor	3 : 1				
Short circuit response	Short circuit proof (3 x I_N for 140 ms)				
BATTERY					
Type	Sealed, maintenance free, integrated (proprietary brand)				
Rated voltage (linked)	36 V DC	96 V DC		240 V DC	
Overload/deep discharge protection	Yes				
Charging time (to 90 % rated capacity)	5 h			7 h	
COMMUNICATION					
Interfaces	RS232 (with status display and data), communications slot for SNMP, potential free relay contact				
Shutdown software (on CD)	5 network licenses for all common OS (e.g. Windows, Linux, Mac)				
Failure indicators (acoustic/visual)	LED display for UPS summary /battery capacity display, status display Indicators for mains failure, overload, battery charging, battery replacement, failure				
GENERAL DATA					
Efficiency AC – AC (at nominal load)	≥85 %		≥88 %	≥90 %	
Audible noise (1 m distance)	<45 dB(A)		<50 dB(A)	<55 dB(A)	
Operating temperature range	0° – 40°C				
Humidity	0 – 90 % (without condensation)				
Operation altitude	Up to 1000 m at nominal load				
EMC conformity	EN 62040-2 Class C1, EN 61000-3-2, EN 61000-3-3			EN 62040-2 Class C3	
Product safety	EN 62040-1				
Data line protection	RJ11 (telephone, fax, modem) / RJ45 (Ethernet 10 Mbit /s / 100 Mbit /s)				
Number of outputs	4 x IEC 320 C13	6 x IEC 320 C13	4 x IEC 320 C13	Secured terminal block	
			+ 1 x IEC 320 C19		
Equipment color	Blackline				
Dimensions approx. W x H x D (mm) UPS	145 x 220 x 400	192 x 340 x 460		260 x 720 x 570	
Dimensions approx. W x H x D (mm) battery	Integrated (not S-version battery pack same dimensions as UPS)				
Weight approx. UPS	15 kg	34 kg	35 kg	90 kg	93 kg
Weight approx. battery	19 kg	52 kg	52 kg	65 kg	68 kg
Shipment	Mains input cord, 3 device cords (Type C. 1000, C. 2000, C. 3000), parallel management cable (C. 6000 / C. 10000), management software "CompuWatch" (CD), communications cable, operating instructions				
Conformity	CE				

AEGPS - Protect C. - EN - 01/2012 V1 - Due to our policy of continuous development, the data in this document is subject to change without notice.
AEG is a registered trademark used under licence from AB Electrolux.

AEG Power Solutions

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

www.aegps.com

AEG POWER SOLUTIONS