



AEG

Power Solutions

PROTECT C. / C.R

1 to 10 kVA

**High performance security for server, workstations, network
and communication systems**

PROTECT C. / C.R

10000 VA

6000 VA

3000 VA

2000 VA

1000 VA



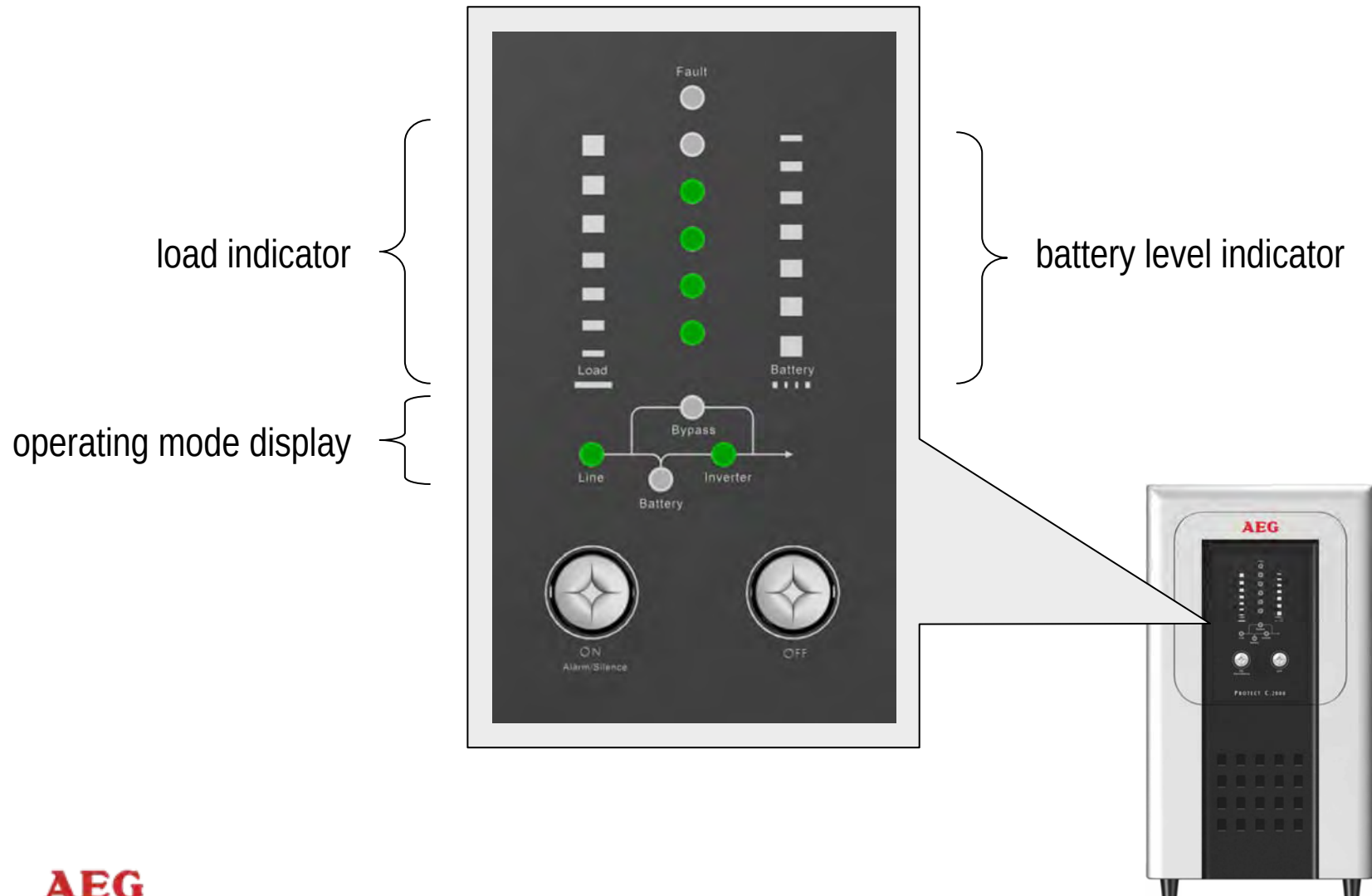
TOWER & RACK

PROTECT C. • features



- On-Line technology VFI (double-conversion):
saves against all power failures
- Micro processor controll causes high availability
- Sinusförmige Stromaufnahme (high frequency PWM with IGBT´s)
- n+x technology at 6 and 10kVA, for redundancy and/or increasing power
- Intelligent monitoring communicates via RS232 interface
- slot for expansion cards like
SNMP / USB / relaycard / remote panel
 - Compatible with all known EDP systems incl. UPS shutdown and management software, e.g. Windows, Linux, Mac OS X
 - Surge protection for RJ11 / RJ 45 connectors for phone, fax, modem and network
 - 24 month warranty with replace service

PROTECT C. • display



PROTECT C. 1000 – 3000 • features



C. 1000

- 4 x outlets IEC320 C13



C. 2000

- 6 x outlets IEC320 C13



C. 3000

- 4 x outlets IEC320 C13
- 1 x outlets IEC320 C19

internal battery • connector for external BP • RS232 communication port • communication slot (for expansion cards) • surge protection for fax, modem and network (RJ11/RJ45)

PROTECT C. 6000/10000 • features

C. 6000



C. 10000

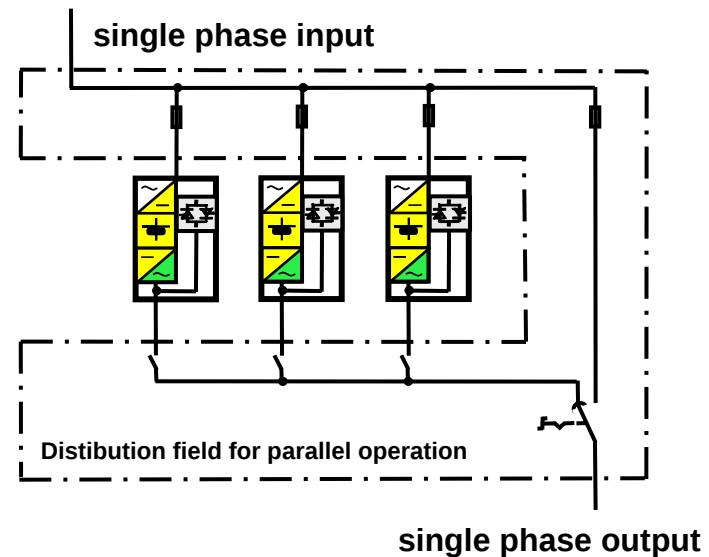
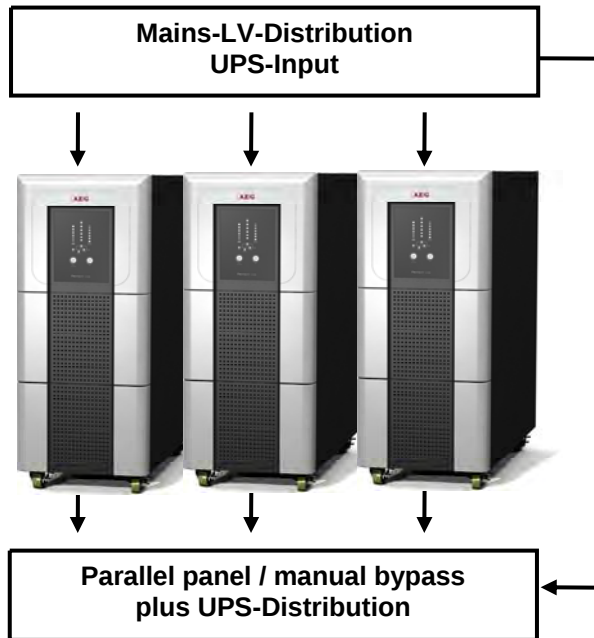


terminals for input and output • internal battery • connector for external BP • RS232 communication port • communication slot (for expansion cards) • connectors for parallel operation • internal manual bypass switch

Parallel operation at PROTECT C.6000 and C.10000

Advantages:

- n + x technology, for increasing power and/or for redundancy
- easy installation
- high flexibility
- cost efficiency



PROTECT C. • autonomy time in detail

PROTECT C. TOWER at part load	< < < Autonomy time at > > >					Recharge time to 90% capacity
	15% load	25% load	50% load	75% load	100% load	
PROTECT C.1000 [1 kVA]	= 105 W	= 175 W	= 350 W	= 525 W	= 700 W	
with integrated battery system	92,0 min.	52,5 min.	21,0 min.	10,5 min.	6,5 min.	5 h
with 1 x PROTECT C.1000BP	321,5 min.	198,5 min.	97,5 min.	55,5 min.	38,0 min.	24 h
with 2 x PROTECT C.1000BP	558,0 min.	371,5 min.	169,5 min.	109,0 min.	76,5 min.	40 h
PROTECT C.2000 [2 kVA]	= 210 W	= 350 W	= 700 W	= 1050 W	= 1400 W	
with integrated battery system	119,5 min.	78,5 min.	30,0 min.	17,5 min.	10,0 min.	5 h
with 1 x PROTECT C.2030BP	447,0 min.	278,0 min.	130,5 min.	86,0 min.	54,5 min.	24 h
with 2 x PROTECT C.2030BP	830,5 min.	489,0 min.	237,0 min.	151,5 min.	106,5 min.	40 h
PROTECT C.3000 [3 kVA]	= 315 W	= 525 W	= 1050 W	= 1575 W	= 2100 W	
with integrated battery system	78,5 min.	46,0 min.	16,0 min.	9,0 min.	5,0 min.	5 h
with 1 x PROTECT C.2030BP	278,0 min.	172,0 min.	84,5 min.	49,5 min.	29,5 min.	24 h
with 2 x PROTECT C.2030BP	489,0 min.	315,0 min.	149,0 min.	97,5 min.	60,0 min.	40 h
PROTECT C.6000 [6 kVA]		= 1050 W	= 2100 W	= 3150 W	= 4200 W	
with integrated battery system		56,5 min.	26,0 min.	13,5 min.	8,5 min.	4 h
with 1 x PROTECT C.6000BP		135,0 min.	67,5 min.	41,0 min.	26,0 min.	8 h
with 2 x PROTECT C.6000BP		219,5 min.	112,0 min.	69,0 min.	47,5 min.	12 h
with 3 x PROTECT C.6000BP		302,0 min.	157,5 min.	102,0 min.	67,5 min.	16 h
with 4 x PROTECT C.6000BP		406,5 min.	203,5 min.	125,0 min.	94,0 min.	20 h
PROTECT C.10000 [10 kVA]		= 1750 W	= 3500 W	= 5250 W	= 7000 W	
with integrated battery system		35,5 min.	16,5 min.	9,5 min.	5,5 min.	7 h
with 1 x PROTECT C.10000BP		82,5 min.	42,0 min.	24,0 min.	16,5 min.	11 h
with 2 x PROTECT C.10000BP		124,0 min.	60,0 min.	43,0 min.	27,5 min.	16 h
with 3 x PROTECT C.10000BP		145,0 min.	96,5 min.	56,0 min.	42,0 min.	24 h
with 4 x PROTECT C.10000BP		158,0 min.	118,0 min.	76,0 min.	53,0 min.	30 h

PROTECT C. 1000 – 3000 Rack • features

C. 1000R

- 4 x outlets IEC320 C13
- internal battery



C. 2000R & C. 2030R BP

- 4 x outlets IEC320 C13



C. 3000R & C. 2030R BP

- 1 x outlet IEC320 C13
- 1 x outlet IEC320 C19



Connector for external BP • RS232 communication port • communication slot (for expansion cards) • surge protection for fax, modem and network (RJ11/RJ45)

PROTECT C. 6000 Rack • features

C. 6000R & C.6000R BP

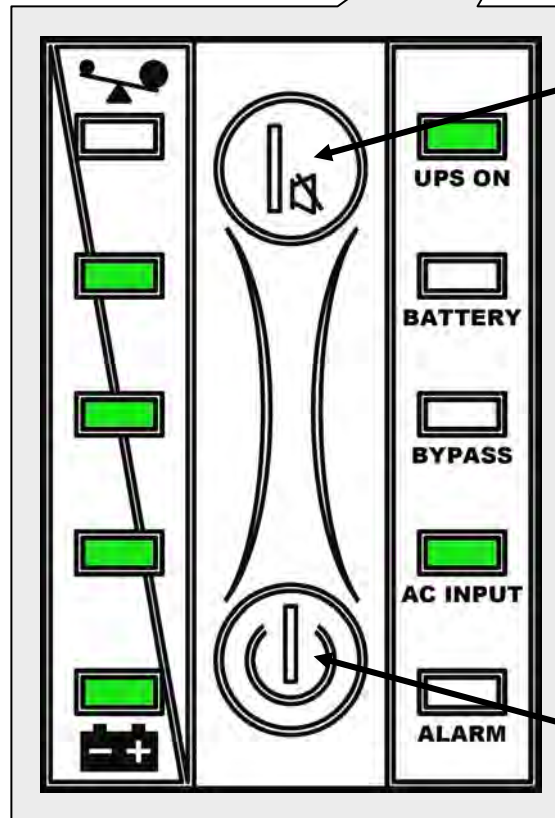


terminals and 2 pairs IEC320 C13 for output • connector for external BP • RS232 communication port • communication slot (for expansion cards) • surge protection for fax, modem and network (RJ11/RJ45)

PROTECT C.R • display



battery level indicator
/ load indicator



battery test mode

operating mode display

power on/off

PROTECT C.R • autonomy time in detail

PROTECT C. RACK at part load	15% load	< < < < 25% load	Autonomy time at 50% load	> > > > 75% load	100% load	Recharge time to 90% capacity
PROTECT C.1000R [1 kVA]	= 105 W	= 175 W	= 350 W	= 525 W	= 700 W	
With integrated battery system	92,0 min.	52,5 min.	21,0 min.	10,5 min.	6,5 min.	5 h
mit 1 x PROTECT C.1000RBP	321,5 min.	198,5 min.	97,5 min.	55,5 min.	38,0 min.	24 h
mit 2 x PROTECT C.1000RBP	558,0 min.	371,5 min.	169,5 min.	109,0 min.	76,5 min.	40 h
PROTECT C.2000R [2 kVA]	= 210 W	= 350 W	= 700 W	= 1050 W	= 1400 W	
	< < < < without integrated battery system > > > >					
mit 1 x PROTECT C.2030RBP	119,5 min.	78,5 min.	30,0 min.	17,5 min.	10,0 min.	5 h
mit 2 x PROTECT C.2030RBP	278,0 min.	165,0 min.	84,5 min.	49,5 min.	29,5 min.	14 h
mit 3 x PROTECT C.2030RBP	447,0 min.	278,0 min.	130,5 min.	86,0 min.	54,5 min.	24 h
mit 4 x PROTECT C.2030RBP	592,5 min.	400,0 min.	179,5 min.	114,5 min.	83,0 min.	32 h
mit 5 x PROTECT C.2030RBP	830,5 min.	489,0 min.	237,0 min.	151,5 min.	106,5 min.	40 h
PROTECT C.3000R [3 kVA]	= 315 W	= 525 W	= 1050 W	= 1575 W	= 2100 W	
	< < < < without integrated battery system > > > >					
mit 1 x PROTECT C.2030RBP	78,5 min.	46,0 min.	16,0 min.	9,0 min.	5,0 min.	5 h
mit 2 x PROTECT C.2030RBP	172,0 min.	109,0 min.	49,0 min.	27,0 min.	16,5 min.	14 h
mit 3 x PROTECT C.2030RBP	278,0 min.	172,0 min.	84,5 min.	49,5 min.	29,5 min.	24 h
mit 4 x PROTECT C.2030RBP	400,0 min.	241,5 min.	113,5 min.	71,5 min.	48,0 min.	32 h
mit 5 x PROTECT C.2030RBP	489,0 min.	315,0 min.	149,0 min.	97,5 min.	60,0 min.	40 h
PROTECT C.6000R [6 kVA]		= 1050 W	= 2100 W	= 3150 W	= 4200 W	
	< < < < without integrated battery system > > > >					
mit 1 x PROTECT C.6000RBP		56,5 min.	26,0 min.	13,5 min.	8,5 min.	4 h
mit 2 x PROTECT C.6000RBP		135,0 min.	67,5 min.	41,0 min.	26,0 min.	8 h
mit 3 x PROTECT C.6000RBP		219,5 min.	112,0 min.	69,0 min.	47,5 min.	12 h
mit 4 x PROTECT C.6000RBP		302,0 min.	157,5 min.	102,0 min.	67,5 min.	16 h
mit 5 x PROTECT C.6000RBP		406,5 min.	203,5 min.	125,0 min.	94,0 min.	20 h

PROTECT C. • specification item efficiency

Total efficiency curve PROTECT C. (e.g. 6 / 10 kVA)

in pure AC-AC / normal operation plus 2%, that means at nominal operating point > 90%

