



AEC ITALY CATALOG 2023



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SERIES CPSS 3



1:1

Power from 1kVA to 10kVA

DETAILS:

- Constant overload of 120%;
- Batteries 10-12 years expected life;
- Charging time of less than 12 hours;
- Structure compliant with CEI EN 62040.

CENTRAL POWER SUPPLY SYSTEM | CPSS7

The **CPSS3 (1-10kVA)** is one of the static CPSS. The CPSS 3 utilize advanced 3-level inverter technology and digital technology for complete interconnection, offering benefits such as **high efficiency** and high power density, while taking up only a small amount of floor space.

AEC's CPSS provide safe, stable, clean and ecological energy to loads and are considered ideal for providing **completely safe and reliable protection**, particularly suitable for emergency lighting systems.

TECHNICAL SPECIFICATIONS

MODELS	CPSS3-1K	CPSS3-2K	CPSS3-3K	CPSS3-6K	CPSS3-10K
INPUT					
VOLTAGE (VAC)	120~295			80~275	
FREQUENCY (HZ)	50/60± 10% (50/60Hz Automatic regulation)				
POWER FACTOR	≥0.99				
THDi	<5%				
OUTPUT					
POWER (WATT)	800	1600	2400	4800	8000
MAX. AC/AC EFFICIENCY	92,00%	93,00%	94,00%	95,5%	
POWER FACTOR	0.8				
VOLTAGE (VAC)	208/220/230/240±1% (configurable from display)				
FREQUENCY (HZ)	50/60±0.2% (battery mode)				
THDi	THD < 2% (linear loads) THD < 5% (non-linear loads)			THD < 1% (linear loads) THD < 4% (non-linear loads)	
OVERLOAD	Costant up to 120%				
BATTERIES					
VOLTAGE (VCC)	36 Vdc	72 Vdc	96 Vdc	192-240 Vdc	
MAX. CHARGING CURRENT (A)	1-4	1-4	1-4	1-8	
OTHER SPECIFICATIONS					
COMMUNICATIONS	RS232, EP0, USB (slot) (SNMP, RS485+ Optional dry contact card)				
LCD DISPLAY	Input / output voltage and frequency, protected load level, battery charge status, temperature, UPS operation and lockout / fault				
ALLARMS	Low batteries, Anormal input, Overload, Block/Fault ecc.				
PROTECTION	Low batteries, Overload, Short-circuit, Over-temperature ecc.				
NOISE (DB)	<50	<55			
TEMPERATURE (°C)	-5~40				
HUMIDITY	0 ~ 95%				
DIMENSIONS (L×W×H) (MM)	145x360x225	190x400x330		230x502x553 / 190x422x337 (L)	
WEIGHT (KG)	9.2 o 11.6/4.5	17.7 o 22.4/8.5	22.9 o 27.6/9.2	54.5/10.9	56.2/12.5
STANDARDS AND CERTIFICATIONS	CE (Reference standards: Safety IEC EN 62040-1; EMC IEC EN 62040-2; Classification IEC EN 62040-3), EN50171				

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