



AEC ITALY CATALOG 2023



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SERIES CPSS 7



3:1

3:3

Power from 10kVA to 40kVA

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 **CPSS7 (10-40kVA)** is one of the static CPSS. The CPSS 7 utilize advanced 3-level inverter technology and digital technology for complete interconnection, offering benefits such as **high efficiency** and high power density, while only taking up 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	CPSS7-10	CPSS7-20	CPSS7-30	CPSS7-40
INPUT				
VOLTAGE (VAC)	80-280 (L-N) / 138-485 (L-L)			
FREQUENCY (HZ)	40~70			
BYPASS VOLTAGE (VAC)	380/400/415: -20%~+15%			
POWER FACTOR	≥0.99			
THDI	≤3%			
PHASES	3:3 / 3:1 / 1:1			
OUTPUT				
POWER (KVA)	8	16	24	32
POWER FACTOR	0.8			
VOLTAGE (VAC)	L-N: 220/230/240±1% L-L: 380/400/415±1%			
FREQUENCY (HZ)	50/60±0.1			
THD	THD<1% (linear loads), THD <3% (non-linear loads)			
WAVEFORM	Sinusoidal pure, THD<1% linear			
EFFICIENCY	96%			
OVERLOAD	Constant up to 120%			
BATTERIES				
BATTERIES VOLTAGE (VDC)	±96~±240 configurable	±144~±240 configurable	±144~±240 configurable	±144~±240 configurable
MAX. CHARGING CURRENT (A)	1-10 / 1-20 (configurable)			
BATTERY LIFE	10 - 12 years			
OTHER SPECIFICATIONS				
CHARGING TIME	< 12 hours			
COMPLIANCE	Structure in compliance with CEI EN 62040			
NOISE (DB)	< 65			
TEMPERATURE (°C)	0 ~ 40			
HUMIDITY	0~95%			
DIMENSIONS (L×W×H) (MM)	250×755x880		300x785x1250	
WEIGHT (KG)	143		240	
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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SERIES CPSS 7



3:3

Power from 60kVA up to 200kVA

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 **CPSS7 (60-200kVA)** utilize advanced 3-level inverter technology and digital technology for complete interconnection, offering benefits such as **high efficiency** and high power density, while only taking up 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	CPSS7-60	CPSS7-80	CPSS7-100	CPSS7-120	CPSS7-160	CPSS7-200
INPUT						
VOLTAGE (VAC)	380/400/415 (138~485 L-L)					
FREQUENCY (HZ)	40~70					
BYPASS VOLTAGE (VAC)	380/400/415: -20%~+15%					
POWER FACTOR	≥0.99					
THDI	≤3%					
PHASES	3-4W+PE					
OUTPUT						
POWER (KVA)	40	64	80	96	128	160
POWER FACTOR	0.8					
VOLTAGE (VAC)	L-N: 220/230/240±1% L-L: 380/400/415±1%					
FREQUENCY (HZ)	50/60±0.1					
THD	3-4W+PE					
WAVEFORM	Pure Sinusoidal , THD<1% linear					
EFFICIENCY	96%					
OVERLOAD	Constant at 120%					
BATTERIES						
BATTERIES VOLTAGE (VDC)	±168 ~±288 adjustable					
STANDARD BATTERY CONFIGURATION	External					
MAX. CHARGING CURRENT (A)	1-30			1-40		
BATTERY LIFE	10 - 12 years					
OTHER SPECIFICATIONS						
CHARGING TIME	< 12 hours					
COMPLIANCE	Structure in compliance with CEI EN 62040					
NOISE (DB)	<65					
TEMPERATURE (°C)	0~40					
HUMIDITY	0~95%					
DIMENSIONS (L×W×H) (MM)	450x840x1400				600x900x1600	
WEIGHT (KG)	180	210	242		320	350
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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