

CyberPower



FTTx SYSTEMS
INDOOR

CyberShield

12Vdc – 48Vdc Indoor FTTx Backup Power Solutions

Features

- Indoor design
- Audible alarm signals
- Microprocessor intelligent control
- Telemetry interface
- Optional extendable runtime
- Silenceable audible-alarm for signaling utility power failure and low battery

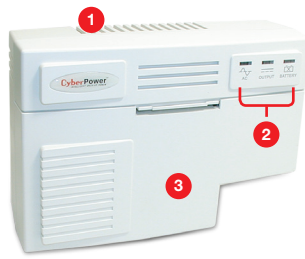
The CyberPower CyberShield indoor battery backup series provides cable telephone, wireless local loop (WLL) and fiber to the premise (FTTP) providers with a dependable and cost effective local power supply for customer premise equipment (CPE) during power outages. The CyberShield indoor family provides Multiple Service Operators with a local powering solution that has lower installation costs, lower operational costs and higher quality than competing power technologies.

CyberShield indoor battery backup products supply continuous 12Vdc or 48Vdc (depending on model) to local power network interface devices (NIDs), cable telephone modems, wireless base stations and fiber to the home Optical Network Terminals (ONTs) or integrated access devices.



MODELS	CS16U48V-8	CS50U48V	CS50U48V3	CS50U48V3-G
AC INPUT				
Input Voltage Range	90 – 264Vac			
Input Frequency Range	47 – 70Hz			
Input Power Cord	IEC320 / C7, 2-Prong Cord		IEC320 / C5, 3-Prong Cord	
Output Ground Reference	Floating Ground			Grounded
DC OUTPUT				
On Battery Output Voltage	48Vdc with Over Voltage Protection			
Continuous Power Capability	16W	50W		
Output Power Max	16W	50W		
Efficiency (at Full Load)	> 75%			
BATTERY				
Battery Type	Sealed, Maintenance Free Lead-Acid Battery			
Numbers of Battery	8Ah / 12V x 1	20Ah / 12V x 1		
Typical Recharge Time	< 24 Hours			
Replaceable	Yes			
SURGE PROTECTION & FILTERING				
Lightning / Surge Protection	Yes			
WARNING DIAGNOSTICS				
Audible Indicator	Utility Failure, Low Battery			
LED Indicators	AC (Battery Mode Indicator), Output (On/Off Indicator), Battery (Missing/Replacement Indicator)			
MANAGEMENT				
Auto-Charge	Yes			
Communication Interface	On Battery, Replace Battery, Missing, Low Battery			
PHYSICAL				
Maximum Dimensions (L*W*D)	16cm x 24cm x 8.3cm	30cm x 28cm x 9.9cm		
Weight (kg)	3.3 (with battery)	7.7 (with battery)		
ENVIRONMENT				
Operating Temperature	32°F – 104°F (0°C – 40°C)			
Operating Humidity	0 – 95% Non-condensing			
Max Operating Elevation	10,000 ft. (3,000 m)			
Max Storage Elevation	50,000 ft. (15,000 m)			
Storage Temperature	5°F – 113°F (-15°C - 45°C)			
COMPLIANCE				
System	UL60950-1, FCC Part 15 Class B, CISPR 22 Class B			

1.877.297.6937



CS16U48V-8



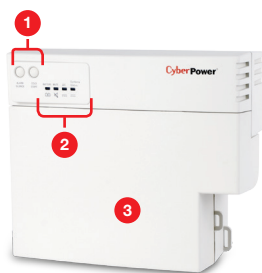
CS50U48V | CS75A12V3 | CS30U12V-20



DT30U12V3

1. Audible Alarm On/Off (Rear)
2. LED Status Indicators
3. User Replaceable Battery
4. Alarm Silence & Cold Start Button

MODELS	CS75A12V3	CS30U12V-20	DT30U12V	DT30U12V3	DT30U12V3-G
AC INPUT					
Input Voltage Range	90 – 136Vac	90 – 264Vac	90 – 264Vac		
Input Frequency Range	47 – 70Hz		47 – 70Hz		
Input Power Cord	IEC320 / C5, 3-Prong Cord	IEC320 / C7, 2-Prong Cord	IEC320 / C7, 2-Prong Cord	IEC320 / C5, 3-Prong Cord	
Output Ground Reference	Floating Ground		Floating Ground		Grounded
DC OUTPUT					
On Battery Output Voltage	12Vdc with Over Voltage Protection		12Vdc with Over Voltage Protection		
Continuous Power Capability	75W	30W	30W		
Output Power Max	75W	30W	30W		
Efficiency (at Full Load)	> 75%		> 80% @ Line Mode, > 90% @ DC Mode		
BATTERY					
Battery Type	Sealed, Maintenance Free Lead-Acid Battery		Sealed, Maintenance Free Lead-Acid Battery		
Numbers of Battery	20Ah / 12V x 1		7.2Ah / 12V x 1		
Typical Recharge Time	< 24 Hours		14 Hours (90% Charged)		
Replaceable	Yes		Yes		
SURGE PROTECTION & FILTERING					
Lightning / Surge Protection	Yes		Yes (6kV @ 8/20μs) per IEEE C62.41.2 and GR-1089		
WARNING DIAGNOSTICS					
Audible Indicator	Utility Failure, Low Battery		Utility Failure, Low Battery		
LED Indicators	AC, Output, Battery		System Status, DC, Mute, Battery		
MANAGEMENT					
Auto-Charge	Yes		Yes – Thermally compensated charging		
Communication Interface	On Battery, Replace Battery, Missing Battery, Low Battery				
PHYSICAL					
Maximum Dimensions (L*W*D)	30cm x 28cm x 9.9cm		16.76cm x 18.54cm x 8.13cm		
Weight (kg)	8.2 (with battery)	7.7 (with battery)	3.25 (with battery)		
ENVIRONMENT					
Operating Temperature	32°F – 104°F (0°C – 40°C)		-4°F – 113°F (-20°C – 45°C) at full power Operation at 50°C (122°F) with derating to 24W		
Operating Humidity	0 – 95% Non-condensing				
Max Operating Elevation	10,000 ft. (3,000 m)				
Max Storage Elevation	50,000 ft. (15,000 m)				
Storage Temperature	5°F – 113°F (-15°C - 45°C)		-4° – 113°F (-20°C – 45°C)		
COMPLIANCE					
System	UL60950-1 , FCC Part 15 Class B		UL60950-1 2nd Edition, FCC Part 15 Class B,		
VARIANTS					
North America (NEMA 1-15)	–	CS30U12V-20	DT30U12V	–	–
North America (NEMA 5-15)	CS75A12V3	–	–	DT30U12V-NA3	DT30U12V-NA3-G
European Schuko (CEE 7)	–	–	–	DT30U12V-SC3	DT30U12V-SC3-G
Australian/New Zealand (AS/NZS)	–	–	–	DT30U12V-AZ3	DT30U12V-AZ3-G
United Kingdom (BS 1363)	–	–	–	DT30U12V-UK3	DT30U12V-UK3-G
Brazil (NBR 14136)	–	–	–	DT30U12V-BZ3	DT30U12V-BZ3-G



1. Alarm Silence & Cold Start Button
2. LED Status Indicators
3. User Replaceable Battery

CSN27U12V

MODELS	CSN27U12V-12		CSN27U12V-XL	CSN27U12V	CSN27U12V3	CSN27U12V3-G
AC INPUT						
Input Voltage Range	90 – 264Vac					
Input Frequency Range	47 – 70Hz					
Input Power Cord	IEC320 / C7, 2-Prong Cord			IEC320 / C5, 3-Prong Cord		
Output Ground Reference	Floating Ground					Grounded
DC OUTPUT						
On Battery Output Voltage	12Vdc with Over Voltage Protection					
Continuous Power Capability	27W					
Output Power Max	30W < 5 sec.					
Efficiency (at Full Load)	> 80% @ Line Mode, > 90% @ DC Mode					
BATTERY						
Battery Type	Sealed, Maintenance Free Lead-Acid Battery					
Numbers of Battery	12Ah / 12V x 1	7.5Ah / 12V x 1	7.2Ah / 12V x 1			
Typical Recharge Time	< 25 Hrs.	14 Hrs. (90% Charged)				
Replaceable	Yes					
SURGE PROTECTION & FILTERING						
Lightning / Surge Protection	Yes (6kV @ 8/20µs) per IEEE C62.41.2 and GR-1089					
WARNING DIAGNOSTICS						
Audible Indicator	Utility Failure, Low Battery					
LED Indicators	Replace Battery, Mute, DC, System Status					
MANAGEMENT						
Auto-Charge	Yes – Thermally compensated					
Communication Interface	On Battery, Replace Battery, Missing Battery, Low Battery					
PHYSICAL						
Maximum Dimensions (L*W*D)	16.7cm x 19cm x 8.3cm					
Weight (kg)	3.03 (with battery)					
ENVIRONMENT						
Operating Temperature	-4° – 113°F (-20°C – 45°C), Operation at 50°C (122°F) with Derating to 18W					
Operating Humidity	0 – 95% Non-condensing					
Max Operating Elevation	10,000 ft. (3,000 m)					
Max Storage Elevation	50,000 ft. (15,000 m)					
Storage Temperature	-4° – 113°F (-20°C – 45°C)					
COMPLIANCE						
System	UL60950-1 2nd Edition, FCC Part 15 Class B, CISPR 22 Class B					
VARIANTS						
North America (NEMA 1-15)	CSN27U12V-12	CSN27U12V-XL	CSN27U12V	–	–	
North America (NEMA 5-15)	–	–	–	CSN27U12V-NA3	CSN27U12V-NA3-G	
European Schuko (CEE 7)	–	–	CSN27U12V-SC2	CSN27U12V-SC3	CSN27U12V-SC3-G	
Australian/New Zealand (AS/NZS)	–	–	CSN27U12V-AZ2	CSN27U12V-AZ3	CSN27U12V-AZ3-G	
United Kingdom (BS 1363)	–	–	CSN27U12V-UK2	CSN27U12V-UK3	CSN27U12V-UK3-G	
Brazil (NBR 14136)	–	–	–	CSN27U12V-BZ3	CSN27U12V-BZ3-G	

Note (1): If the units are needed without batteries, please add “-SB” to the end of the part number while placing orders. (i.e. CSN27U12V-SB)

Note (2): If the units are needed without power cables, please add “-NC” to the end of the part number while placing orders. (i.e. CSN27U12V-NC)

Note (3): The model, CSN27U12V-XL, includes the battery which has longer cycle life.

Note (4): The CSN27U12V-12 basically shares the same plastic enclosure with the CSN27U12V but has a higher battery compartment cover.

CyberPower Systems, Inc.
4241 12th Avenue East Suite 400 Shakopee, MN 55379

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