APC PowerShield®

Reliable and flexible uninterruptible power source for customer premise equipment used to deliver telecommunication services over broadband networks.

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A reliable, cost-effective uninterruptible power source for customer premise telecommunications equipment.

PowerShield offers telecommunication network and service providers that are deploying services over broadband networks, such as fiber-to-the-home, a customer premise UPS that ensures service availability in the event of a utility power failure.

➢ Worldwide, Flexible Installation
➢ High Availability and Reliability
➢ Easy To Maintain
➢ Clear Status Indication

APC®

by **Schneider Electric**

APC PowerShield

Worldwide, Flexible Installation

➢ Wide Input Voltage Range – 87 To 264 VAC – enables you to use a single UPS anywhere in the world.

➢ Output Voltage Regulation – maximizes the distance from the PowerShield to the service provider equipment when the unit is operating on battery.

Clear Status Indication

➢ Intelligent Battery Management – Ensures high service availability by monitoring the system status and battery capacity and informing the service provider, via PacketCable and GR-909 compliant telemetry signals, of the following conditions: On-Battery; Low-Battery; Replace Battery; Battery Missing.

➢ LED Status Indicators – Three external status LEDs indicate the state of the UPS: On-Line or On-Battery; Output OK; Battery disconnected or needs to be replaced.

➢ Audible Alarms – Audible alarms (beeps) notify the end-user of the following conditions: On-Battery; Low Battery; Replace Battery. Audible alarms can be silenced by pressing the Alarm Silence Button.

Easy To Maintain

➢ User-Replaceable Batteries – Battery replacement is simple and safe, and can be performed by the end-user. A technician is not required to replace the PowerShield battery.

➢ Hot-Swappable Batteries – Service provider personnel or end-users can replace the battery even while the PowerShield is operating on utility power.

➢ Automatic Cold-Start – PowerShield will turn on automatically after a new battery is installed, even if utility power is not available.

High Availability and Reliability

➢ Temperature-compensated Battery Charging – Prolongs battery life by regulating the charge voltage according to battery temperature.

➢ Automatic Self-Test – Periodic battery self-test ensures early detection of a battery that needs to be replaced.

➢ Scalable Runtime – PowerShield is equipped with an external battery connector so that longer runtimes can be achieved by installing an external battery pack. External battery packs can be "daisy-chained" for additional runtime.

➢ PowerShield has been tested and approved to work safely with the connected service provider equipment and within the specified environment. UL60950, CSA60950, EN60950 safety approvals. Meets IEC61000-4-5 Immunity To Surge, and GR-1089-Core, Section 4, Lightning and AC Power Fault standards.

PowerShield® CP27U13 Models			
Product Feature	CP27U13NA3-S	CP27U13AZ3-F	CP27U13SC3-F
Input			
Input Voltage Range	87 - 264VAC		
Input Frequency	47 - 70Hz		
Input Power Cord	North America (NEMA 5-15P)	Australia/New Zealand (AS3112)	European Schuko
Output			
Nominal Output Voltage	13VDC		
Power [Watts]	27W		
Output Voltage Regulated (On Battery)	Y		
Battery			
Type	Maintenance Free, Sealed Lead Acid Battery		
Capacity	12V, 7.2AH		
Runtime (Half Load)	5 Hours		
Runtime (Full Load)	2.5 Hours		
Replacement Battery	RBC2 or RBC40		
Cold Start (New Battery; No Utility Power)	Automatic		
Visual and Audible Indicators			
LEDs	On-Line/On-Battery, Output OK, Battery Disconnected/Replace Battery		
Audible Alarm	Integrated; On-Battery, Low-Battery, Replace Battery		
Audible Alarm Silence Button	Yes		
Telemetry Status Signals (PacketCable Signaling/Telcordia GR-909 Compliant)			
On Battery	System is receiving power from the battery.		
Missing Battery	Battery has been disconnected.		
Replace Battery	Battery has failed periodic tests and should be replaced.		
Low Battery	Battery has been reduced to approximately 20% of available runtime.		
Physical			
Dimensions (HxWxD)	7.5"x9.5"x3" (190.5x241.3x76.2 mm)		
Net Weight	7lbs. (3.2kg)		
Environment			
Operating Temperature / Humidity	-20 To 50 (°C) / 5 - 95%		
Location / Mounting	Indoors / Wall-Mounted		
Conformance			
Regulatory Certifications	cUL, FCC (Class B), CE, C-Tick		

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