

End-of-Life Notice for Legacy Power Modules - Official Technical Overview & Hardware Datasheet

EXECUTIVE SUMMARY

The End-of-Life Notice for Legacy Power Modules represents a critical lifecycle milestone for the legacy power infrastructure deployed across carrier-grade telecommunications networks. This official product overview and datasheet provides a comprehensive technical reference for network operators, systems engineers, and procurement specialists managing the transition from legacy power modules to next-generation power architectures. The document outlines the formal end-of-life (EOL) timeline, last-time-buy (LTB) provisions, hardware specifications, compliance status, and recommended migration pathways. All specifications contained herein are authoritative and supersede previous revisions. Network operators are advised to initiate transition planning immediately to ensure uninterrupted service continuity and to avoid operational risks associated with unsupported hardware.



ARCHITECTURE & CHASSIS DESIGN

The End-of-Life Notice for Legacy Power Modules pertains to a family of modular power supply units engineered for deployment in standard 19-inch and 23-inch equipment racks. These modules were designed to deliver regulated DC power to critical telecom infrastructure, including edge routers, optical transport platforms, and core switching systems. The chassis architecture supports hot-swappable module insertion and removal, enabling maintenance without service interruption. Each power module is housed in a ruggedized metal enclosure with integrated EMI shielding and thermal management features. The backplane interface utilizes a high-reliability connector system rated for a minimum of 500 mating cycles. Front-panel LED indicators provide real-time status for input voltage, output voltage, current load, and fault conditions. The mechanical design adheres to IEEE 1613 and IEC 61850 standards for substation-grade environmental tolerance.

HARDWARE FEATURES

The legacy power modules in scope for this EOL notice support a comprehensive set of hardware features that have historically ensured high availability and operational resilience. Key features include wide-range AC input (85-264 VAC) and DC input (-48 VDC nominal, with tolerance from -40 VDC to -72 VDC), active power factor correction (PFC) with a typical power factor greater than 0.99, and high-efficiency DC-DC conversion exceeding 92 percent at 50 percent load. The modules provide precise output voltage regulation with less than 1 percent deviation under all load conditions. Overvoltage, overcurrent, overtemperature, and short-circuit protections are integrated at the hardware level. Parallel operation with active current sharing is supported, enabling N+1 redundancy configurations. Each module includes a PMBus-compliant digital interface for remote monitoring and control, as well as hardware alarm relays for legacy management systems.

COMPLIANCE & STANDARDS

The End-of-Life Notice for Legacy Power Modules confirms that the affected products were designed, tested, and certified to the following standards: EN 60950-1 and EN 62368-1 for safety, EN 55032 and EN 55024 for

electromagnetic compatibility, NEBS Level 3 per GR-1089-CORE and GR-63-CORE, and RoHS 2011/65/EU for environmental compliance. The modules also meet the requirements of ITU-T K.20 and K.21 for surge immunity. Certification records are available upon request. Note that once the EOL date is reached, no further compliance testing or recertification will be performed, and the products will no longer be covered under any regulatory conformity declarations. Customers requiring continued compliance for deployed systems must transition to the recommended replacement platform.

TECHNICAL SPECIFICATIONS

The following table summarizes the key technical specifications for the legacy power modules subject to this end-of-life notice. These parameters are provided for reference and validation purposes during the transition period.

Parameter	Specification
Form Factor	1RU / 2RU Chassis
Input Voltage	85-264 VAC / -40 to -72 VDC
Output Power	Up to 1200 W per module
Efficiency	>92% at 50% load
Redundancy	N+1 with active current sharing
Operating Temperature	-40°C to +75°C

Compliance	NEBS Level 3, EN 62368-1, RoHS
Management Interface	PMBus, hardware alarm relays
End-of-Life Date	December 31, 2026
Last-Time-Buy Deadline	June 30, 2026

ORDERING OPTIONS

Last-time-buy orders for the End-of-Life Notice for Legacy Power Modules must be placed before the specified LTB deadline. The following ordering options are available while supplies last. Customers should contact their authorized sales representative to confirm availability and to place orders. After the LTB deadline, no new orders will be accepted, and remaining inventory will be allocated on a first-come, first-served basis. Spare parts and repair services will be available for a limited period as defined in the lifecycle policy. Extended warranty options are no longer available for these products. It is strongly recommended that customers initiate transition planning immediately to avoid supply chain disruptions.

