XPOE-DCB-100

X-PoE® powered USB-C charging brick (100W)

Data sheet



PRODUCT OVERVIEW

The XPOE-DCB-100 is a single-port, X-PoE®-powered USB-C charger delivering up to 100W—clean, safe low-voltage power right where people work, without needing an AC outlet.

Beyond charging, it turns every desk into a measurable, controllable power node: capture detailed energy usage, switch off quiescent loads like monitors, and automate savings with occupancy control, schedules, and other energy-optimization strategies.

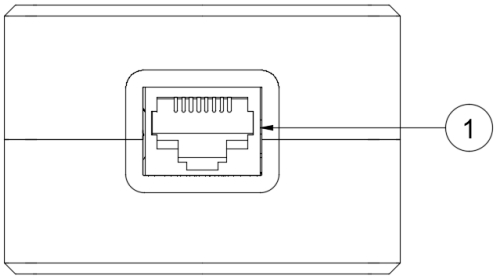
CONFIGURATIONS

XPOE-DCB-100: Single-port USB-C charging brick with maximum 100W (5A @ 20V USB-C profile) output.

FEATURES

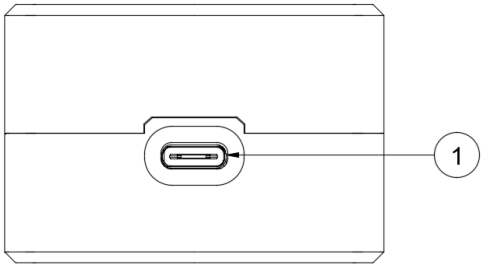
Power conversion	(1) X-PoE® input (44–57 VDC over RJ45) and (1) USB-C output for high-power, low-voltage device charging
	Supports USB-C PD profiles at 5V, 9V, 12V, 15V, and up to 20V / 5A
	Maximum output power of 100W (5A at 20V USB-C profile)
	Designed for efficient conversion to reduce heat and wasted energy at the edge
Application and use cases	Turns every desk into a measurable endpoint for detailed energy usage data (system dependent)
	Automates shutoff of quiescent loads (monitors, docks, chargers) using occupancy and schedules
	Supports policies like after-hours shutdown, desk-level scheduling, and other energy-optimization workflows
Distance and performance	Enables remote USB-C power and charging over long Cat6 runs (distance depends on load and cable)
	LED indicator for power and charging status
	Stable operation under real-world workstation and device charging loads
Compliance	ETL Listed (cETLus) to UL 62368-1
Warranty	2-year limited warranty

FRONT PANEL



1. RJ45 input for X-PoE® connection

REAR PANEL



1. Single USB-C Output

 ©2026 LUUM.IO. All rights reserved.

TECHNICAL SPECIFICATIONS

Category	Specification	XPOE-DCB-100
MECHANICAL	Dimensions	115 mm x 75 mm x 29.7 mm (4.53 in x 2.95 in x 1.17 in)
	Weight	0.5 lb (0.23 kg)
	Material	PC Case
INTERFACES	Input	RJ45 port for connection to X-PoE® XS-108H (in X-PoE® Max mode) or direct Class 2 power source
	Output	USB-C port for connection to any USB-C capable device
ELECTRICAL	Input Voltage	36-57VDC
	Maximum Output Power	100W (5A @ 20V USB-C profile) Note: Maximum output from the device is subject to input wire length and USB-C cable
	USB-C PD Profiles	15W = 5V @ 3A Max 27W = 9V @ 3A Max 36W = 12V @ 3A Max 45W = 15V @ 3A Max 65W = 20V @ 3.25A Max 100W = 20V @ 5A Max
ENVIRONMENT	Operating Temperature	0 °C to 25 °C (32 °F to 77 °F)
	Storage Temperature	-20 °C to 70 °C (-4 °F to 158 °F)
	Operating Humidity	10-90% RH (non-condensing)
COMPLIANCE	Certifications	ETL Listed (cETLus) to UL 62368-1
GENERAL	Warranty	2-year limited warranty with continuous cloud connection

Note: Actual performance may vary as a result of end-user environment and application.

 ©2026 LUUM.IO. All rights reserved.