POWERJB

Always On!

The universal power solution for wherever you have intermittent power.

PowerJB has been developed by electrical professionals in the transportation and industrial sectors to fulfill the niche role of providing continuous clean power in any intermittent power environment. Such environments include lighting systems in cities, along highways, industrial yards, parking lots, and even locations with no grid connection but intermittent solar, wind, or generator power.

For streetlighting applications, PowerJB can be installed without an electrical permit by using a cord to power the device directly from the NEMA receptacle on the luminaire. Alternatively, the device can be hardwired to the lighting circuit. There is no need to pay for a new electrical service or to run new wire to the panel.

Target electrical devices include CCTV Cameras, traffic counters, RRFB units for pedestrian crossings, environmental sensors, network devices, radios, emergency roadside call boxes, PLC/SCADA systems, and irrigation controllers. Each enclosure has room for a hardened LTE cellular router to enable internet connectivity anywhere on the cellular network.

PowerJB can power any small electrical load without adding expensive and time-consuming electrical infrastructure. PowerJB can be installed and running in a matter of hours instead of the months it can take to upgrade or add an electrical service.

Standard Features

Steel NEMA 3R enclosure with hinged door with input/output on indicator lights. Full double conversion UPS functionality with pure sinewave output. All components rated for use in Canada/USA. Field connections required for incoming and outgoing power.

Standard Lighting Models:		PJB15W	PJB25W	PJB50W	PJB75W	PJB100W
Input Power Source		120 VAC, 208 VAC, 240 VAC, 24 VDC, 12 VDC, or Solar				
Output Power Format		12 VDC	120 VAC or 12 VDC (See Note 1)			
Max. Average Output Power Rating		15 W	25 W	50 W	75 W	100 W
Long Surge Power Rating (continuous)		60 W	112 W			
Short Surge Power Rating (3 seconds)		75 W	400 W			
120 V Input Models – Input Voltage		90 – 246 VAC				
Environmental						
	Min. Ambient Temperature	-40 °C / -40 °F (See Note 2)				
	Max. Ambient Temperature	+55 °C / 131°F (See Note 3)				
	Min. Humidity	10 %				
	Max. Humidity	95 %				
	Latitude Range (Street Lights Only)	54.5 °N to 54.5 °S (See Note 4)				
Physical (See Note 5)						
	Height	407 mm / 16”	407 mm / 16”	915 mm / 36”	915 mm / 36”	915 mm / 36”
	Width	356 mm / 14”	356 mm / 14”	610 mm / 24”	610 mm / 24”	610 mm / 24”
	Depth	254 mm / 10”	254 mm / 10”	305 mm / 12”	305 mm / 12”	305 mm / 12”
	Weight	21 kg / 45 lb	27 kg / 59 lb	83 kg / 181 lb	91 kg / 200 lb	110 kg / 242 lb

Notes:

1. Alternate power output configurations available for custom designed units.
2. For ambient temperatures below -20 °C / -4 °F, the heated/insulated option is required.
3. For ambient temperatures above 40 °C / 104 °F, the fan kit option is required.
4. Higher latitudes are achievable for custom designed units.
5. Weights and dimensions are approximate and based on a standard steel enclosure, 120 VAC input/output, and no options.

Information: info@PowerJB.com www.powerjb.com Order: sales@PowerJB.com

Version 250521

Patent Pending

POWERJB

Always On!

Ordering Model Code:

Format: PJBXXXW-YYY-ZZZ-OPTION1-OPTION2-...
XXX - Average Output Power Rating: 15 = 15W, 25 = 25 W, 50 = 50 W, 75 = 75 W, 100 = 100 W
YYY - Input Power Source: 120 = 120 VAC, 12 = 12 VDC, 24 = 24 VDC (Solar is a custom design feature)
ZZZ - Output Power Format: 120 = 120 VAC, 12 = 12 VDC, 24 = 24VDC

Example: PJB25W-120-12-ALM-LCK is a 25 W unit with 120 VAC input, 12 VDC output, and a padlock-able aluminum enclosure.

Standard Options:

CSA	Completed assembly to be CSA rated (Approved for use in Canada)
ETL	Completed assembly to be ETL rated (Approved for use in Canada and the United States)
ALM	Bare aluminum Enclosure
4X	NEMA 4X enclosure
LTE	Add LTE cellular router for internet connectivity
LCK	Padlock-able enclosure
FAN	Fan kit for high ambient temperatures
PTP	Power tap to connect to 120VAC power in NEMA 7 pin receptacle on the top of a light fixture

Custom Design Features (Contact sales representative to discuss these features):

ASP	Additional space for housing customer electronics
PAL	Powder coated aluminum enclosure
NME	Non metallic enclosure to house RF equipment
SSE	Stainless steel enclosure
BLU	Bluetooth wireless modules for charger and inverter
INS	Insulated and heated enclosure for low ambient temperatures, includes fan kit for high ambient temperatures
POR	Power outage resistant: Provide additional storage and charging abilities to span multi-day operation
COP	Custom output power configurations (ex: 5VDC, 48VDC, 240VAC, etc)
LPR	Lower input power option by changing to standby type topology
LTG	LED area light on bottom of enclosure
SOL	Solar powered system. Design assistance available as required
GEN	Generator powered system. Design assistance available as required
LAT	Higher than 54.5° latitude unit requirements for street light applications