TITAN
SMART ENERGY

Shenzhen Titan Smart Energy Technology Co., Ltd.

Power-Edge-L

Energy Management Unit

- Rich Optimization Strategies
- Broad Compatibility

A smart energy controller designed for integrated cloud-edge-device solutions, supporting multi-device connectivity, energy management, edge computing, cloud-edge coordination, and remote operation and maintenance, among other features. It provides customers with the best personalized service solutions to ensure maximum returns.



Easy Deployment

- Adaptable to various scenarios
- Lightweight design, versatile interfaces

Maximum Reliability

- Dual-layer data security
- Long duration backup power supply

Higher Returns

- Multi strategy energy optimization
- Cloud-Edge collaboration for efficiency

Smart O&M

- Second-level fault response
- Local and cloud-based O&M to reduce costs

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Specification	Models	Power-Edge-L
Power Supply Parameters	Input Voltage Range	90~264V AC
	DC System Backup Time	Max. 2 Hours
	Grid Connection Type	L + N + PE
	Rated Power Consumption (W)	< 50 W
Communication Parameters	RS-485 Interface	6 Ports
	Ethernet Interface	1 Port WAN / 4 Ports LAN
	CAN Interface	1 Port
	Wireless Interface	4G
	DI/DO Interface	4 Ports/6 Ports
	Communication Distance	RS-485 Cable Length: 500 m (Baud Rate 9600 bps) CAN Communication Length: 100 m (Baud Rate 250 kbps), Ethernet Cable Length: 100 m
General Parameters	Display	LED Indicator Light
	Relative Humidity	0~95 % RH (Non-Condensing)
	Operating Temperature	-30 °C ~ + 60 °C
	Storage Temperature	-40 °C ~ + 70 °C
	Altitude	< 2000 m
	IP Rating	IP54
	Cooling Method	Natural Cooled
	Corrosion Resistance	C3
Mechanical Parameters	Dimensions (W × D × H mm)	484 × 168 × 670 mm
	Installation	Suitable for Indoor or Outdoor Wall-Mounted Installation
	Weight	< 40 kg
	Cabinet Material	Metal

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