

# OPB-1

## SMART JUNCTION BOX (480V)

The ThinkGrow Smart Junction Box is an electronic circuit breaker and energy meter that is connected in line with each "string" of LEDs to monitor and protect the circuit from power overload. If the circuit protector detect unusual high amperage, the power to the LEDs will e turned off to prevent damage to the LEDs and the Daisy Chain Power Cord System.



## Specifications

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### Input Power

Input Power 347~480VAC,50/60Hz

### Rated Voltage

Rated Voltage 347~480V

### Rated Current

Rated Current 30A

### Shut-off Point Range

Range 15A/20A/30A

### Overcurrent Protection Point

Overcurrent Protection Point +120%

### Sensitivity to Protection

Sensitivity Response within 0.5s

### Voltage Accuracy

Voltage Accuracy ±2% readings/  
±1% shut-off point

### Current Accuracy

Current Accuracy ±2% readings/  
±1% shut-off point

### Power Accuracy

Power Accuracy ±5% readings/  
±1% shut-off point

### PF Accuracy

PF Accuracy ±10%

### Number of Poles

Number of Poles 3

### Operating Temperature

Operating Temperature 32-104°F (0-40°C)

### Working Humidity

Working Humidity 5~95%RH

### Wireless Standard

Wireless Standard Lora,902 MHz-928 MHz

### Max. Wireless Range

Max. Wireless Range 500 Feet/150 Meter

### Package Dimensions

Size 10.83" /275mm(L) x  
5.24" /133mm(W) x  
3.35" /85mm(H)

### Certifications

Certifications ETL/FCC

### FCC ID

FCC ID 2A33F-OPA-1

Gross Weight 2.07lbs /940g

## Link Up

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### CONNECTION DIAGRAM

