OPA-1 SMART JUNCTION BOX

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.

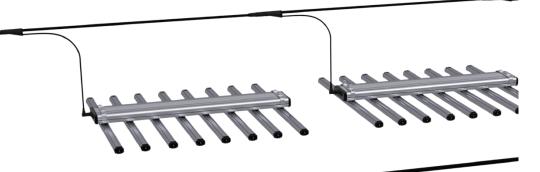


Input Power		Rated Voltage		Rated Current	
Input Power	100~277VAC,50/60Hz	Rated Voltage	100~277V	Rated Current	30A
Shut-off Point Range		Overcurrent Protection Point		Sensitivity to Protection	
Range	15A/20A/30A	Overcurrent Protection Point	+120%	Sensitivity	Response within 0.5s
Voltage Accuracy		Current Accuracy		Power Accuracy	
Voltage Accuracy	±2% readings/ ±1% shut-off point	Current Accuracy ±2% reac ±1% shut	ings/ -off point	Power Accuracy	±5% readings/ ±1% shut-off point
PF Accuracy		Number of Poles		Operating Temperature	
PF Accuracy	±10%	Number of Poles	3	Operating Temperature	32-104°F (0-40°C)
Working Humidity		Wireless Standard		Max. Wireless Range	
Working Humidity	5~95%RH	Wireless Standard Lora,902	MHz-928 MHz	Max. Wireless Range	1 mile
Package Dimensions		Certifications		FCC ID	
Size	10.83" /275mm(L) x 5.24" /133mm(W) x 3.35" /85mm(H)	Certifications	ETL/FCC	FCC ID	2A33F-OPA-1
Gross Weight	2.07lbs /940g				

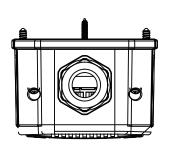
Link Up

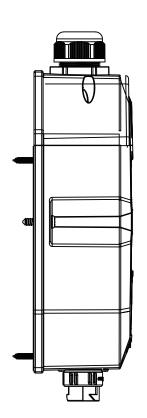
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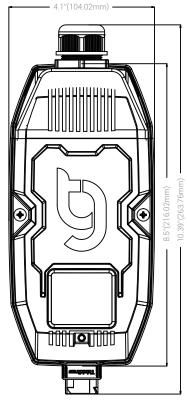
CONNECTION DIAGRAM

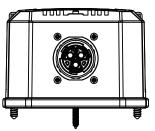


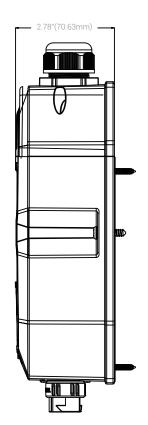


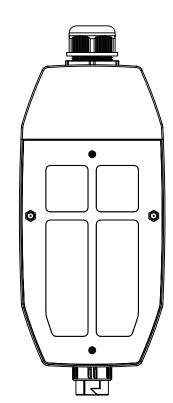
















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