

# Kimono Lantern Basic - Bill of Materials

Quantity	Reference	Part	Notes	Unit Cost*	Total Cost
1	BATT1	BH-411-4P24	AAA Connector	\$0.05	\$0.05
1	CN2	JST-XH2P	Solar panel connector	\$0.01	\$0.01
2	D7,D8	5mm White LED	LED	\$0.02	\$0.04
1	L3	220 uH	Inductor	\$0.01	\$0.01
1	S1	SK12D07VG3	Slide switch	\$0.01	\$0.01
1	U1	YX8018	Main controller	\$0.05	\$0.05
1		PCB	Printed Circuit Board	\$0.10	\$0.10
1		AAA NiMH Battery	~600 mAh	\$0.30	\$0.30
1		Solar Panel	~60 mA	\$0.10	\$0.10
1		Solar Panel Cable		\$0.03	\$0.03
5	L2,D5,C19, C8, D6	Do Not Install			
Total					\$0.70

\* Unit costs based on bulk purchase price in Shenzhen wholesale markets

# Kimono Lantern Basic - RGB LED Build

This build is when DC rectified signal is required, like for scrolling RGB LEDs

Quantity	Reference	Part	Notes	Unit Cost*	Total Cost
1	BATT1	BH-411-4P24	AAA Connector	\$0.05	\$0.05
1	CN2	JST-XH2P	Solar panel connector	\$0.01	\$0.01
2	D7,D8	5mm White LED	LED	\$0.02	\$0.04
1	L3	220 uH	Inductor	\$0.01	\$0.01
1	C8	22 uF/16V	Capacitor	\$0.01	\$0.01
1	D6	1N5819	Schottky Diode	\$0.01	\$0.01
1	S1	SK12D07VG3	Slide switch	\$0.01	\$0.01
1	U1	YX8018	Main controller	\$0.05	\$0.05
1		PCB	Printed Circuit Board	\$0.10	\$0.10
1		AAA NiMH Battery	~600 mAh	\$0.30	\$0.30
1		Solar Panel	~60 mA	\$0.10	\$0.10
1		Solar Panel Cable		\$0.03	\$0.03
3	L2,D5,C19	Do Not Install			
Total					\$0.72

\* Unit costs based on bulk purchase price in Shenzhen wholesale markets