

# AC&DC Converter Systems

Solar Box-5/10



## Enduring Performance

- 6000 cycles LFP battery + Efficiency MPPT.
- 10 ports charging hub for phones/tools/laptops.



## Professional Lighting Ecosystem

- 100,000-hr LEDs (40% less energy, 30% brighter)
- 110lux task lighting + glare-free ambient zones.



## Configuration 1:

- Solar Box-5\*1/Solar LED-1\*3/Solar PV-10\*1
- PV fully charged in 3 hours
- 1 LED bulb lights up for 25 hours
- 2 LED bulbs all lights up for 12.5 hours
- 3 LED bulbs all lights up for 8 hours
- Fully charge 3 iPhone



## Configuration 2:

- Solar Box-10\*1/Solar LED-1\*3/Solar PV-10\*1
- PV fully charged in 6 hours
- 1 LED bulb lights up for 50 hours
- 2 LED bulbs all lights up for 25 hours
- 3 LED bulbs all lights up for 16 hours
- Fully charge 6 iPhone

Battery Model	Solar Box-5	Solar Box-10
Nominal Capacity	4000mAh	8000mAh
Size(W*D*H)	120*120*35mm	
Battery Type	LiFePO4	
Nominal Voltage	6.4V	
Humidity	0-95%RH (No condensed water)	
Battery Protection	Over-Current/ Over-Voltage/ Short Circuit/ Under-Voltage/ Over-Temperature	
Charging Temperature Range	0~+60°C	
Discharging Temperature Range	-20~+55°C	
IP Level	IP54	
Installation Method	Wall Mounting/Move	
Safety Certificate	UN3480	
PV Panel Model	Solar PV-10	
Pmax	10W	
Vmp	18V	
Lmp	0.6A	
Voc	25V	
LSC	0.5A	
Test Condition	@1000W/m <sup>2</sup> /AM1.5/25°C	
LED Light Model	Solar LED-1	
Power	1W	
Voltage	6.4V	
Color Temperature	3000k	
Lumen	110 lm	

**Remark:**

- ✓ If in the case of DIY, the PV module voltage should be not lower than 7.5V and not higher than 28V
- ✓ PV panel line length 5m
- ✓ Light bulb line is 5m long and each bulb has a separate switch

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