

BirdNet Battery Pack

Battery Pack for Slave Mote

■ Specification

Specification		Value	Remark
Battery Spec	Capacity	▪ 20,400mA	
	Charging Voltage	▪ 12.6V	
	Charging Method	▪ CC-CV (Constant Voltage with limited current)	
	Charge Time	▪ Standard Charge : 4 hours	
	Number of Cell	▪ 18ea	
	Cell Weight	▪ 50g Max / ea	
	Operating Temperature	▪ Charge : 0 to 45°C ▪ Discharge : -10 to 60°C	50°C이상일 경우 출력효율이 30%이 상 저하
	Storage Temperature	▪ 1 year : -20 to 25°C ▪ 3 months : -20 to 45°C ▪ 1 month : -20 to 60°C	
	Cycle Life	▪ Cycle life may be determined by conditions of charging, discharging, operating temperature and/or storage.	
Charger Spec	Input Voltage	▪ AC110 V ~ 240V, 50/60Hz 1.0A	
	Output Voltage	▪ DC12.6V / 4.0A	
	LED	▪ Red : Charging ▪ Green : Full	
	Other	▪ Built-in overvoltage/overcharge protection circuit	
Housing	Material	▪ Aluminum Anodizing	
	Size	▪ 175mm(w) x 80mm(h) x 70mm(d)	
	Weight	▪ < Max. 1,100g	Battery 중량 포함
	Waterproof	▪ IP65	
Environment	Temperature	▪ -10°C ~ 60°C	
	Humidity	▪ 10 ~ 90%	Non-Condensing

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■ Product Image



주요 스펙

- ❖ 총 용량 : 20,400mAh
- ❖ 출력 전류 : 12.6V
- ❖ 충전방식 : CC-CV
(제공되는 전용 충전기 사용 필수)
- ❖ 충전 시간 : 약 4시간
- ❖ 충전 시 온도 : 0 ~ 45°C
- ❖ 사용 시 온도 : -10 ~ 60°C
- ❖ 보관 시 온도 : -20 ~ 45°C

참고 사항

- 100% 충전 시, 스트레인 게이지를 100ms주기로 센싱 할 경우 약 4개월 사용가능 (0 ~ 50°C 운영환경)
- 2차 전지임으로 제공되는 매뉴얼의 주의사항을 반드시 준수해 주시기 바랍니다.

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[DANGER!]

Electrical Misusage	<ul style="list-style-type: none"> ▪ Use dedicated charger. ▪ Use or charge the battery only in the dedicated application. ▪ Don't charge the battery by an electric outlet directly or a cigarette lighter charger. ▪ Don't charge the battery reversely
Environmental misusage	<ul style="list-style-type: none"> ▪ Don't leave the battery near the fire or a heated source. ▪ Don't throw the battery into the fire. ▪ Don't leave, charge or use the battery in a car or similar place where inside of temperature may be over 60°C. ▪ Don't immerse, throw, wet the battery in water/seawater.
Others	<ul style="list-style-type: none"> ▪ Don't fold the battery cased with laminated film such as pouch and Polymer. ▪ Don't store the battery in a pocket or a bag together with metallic objects such as keys, necklaces, hairpins, coins, or screws. ▪ Don't short circuit (+) and (-) terminals with metallic object intentionally. ▪ Don't pierce the battery with a sharp object such as a needle, screw drivers. ▪ Don't heat partial area of the battery with heated objects such as soldering iron. ▪ Don't hit with heavy objects such as a hammer, weight. ▪ Don't step on the battery and throw or drop the battery on the hard floor to avoid mechanical shock. ▪ Don't disassemble the battery or modify the battery design including electric circuit. ▪ Don't solder on the battery directly. ▪ Don't use seriously scared or deformed battery. ▪ Don't put the battery into a microwave oven, dryer ,or high-pressure container. ▪ Don't use or assemble the battery with other makers' batteries, different types and/or models of batteries such as dry batteries, nickel-metal hydride batteries, or nickel-cadmium batteries. ▪ Don't use or assemble old and new batteries together.

[Caution!]

Electrical Misusage	<ul style="list-style-type: none"> ▪ Battery must be charge with constant current-constant voltage (CC/CV). ▪ Charge current must be controlled by specified value in Cell specification.
Others	<ul style="list-style-type: none"> ▪ Keep the battery away from babies and children to avoid any accidents such as swallow. ▪ If younger children use the battery, their guardians should explain the proper handling method and precaution before using. ▪ Before using the battery, be sure to read the user's manual and precaution of it's handling. ▪ Before using charger, be sure to read the user's manual of the charger. ▪ Before installing and removing the battery from application, be sure to read user's manual of the application. ▪ Replace the battery when using time of battery becomes much shorter than usual. ▪ Cover terminals with insulating tape before proper disposal. ▪ If the battery is needed to be stored for an long period, battery should be removed from the application and stored in a place where humidity and temperature are low. ▪ While the battery is charged, used and stored, keep it away from object materials with static electric chargers.