

SWIT®

MINO-A140/A210

Rechargeable Li-ion Battery

Ver:C

USER MANUAL

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Thank you for choosing SWIT products, please read this user manual before using and keep it properly for future reference.

⚠ Warnings

Remember the following precautions to avoid fire and other safety hazards!

- Do not use the battery in a place where there is fire or heat to prevent overheating and rupture.
- Do not pierce the battery case or attempt to open the case or disassemble the battery.
- Please use and store the battery within the specified temperature range.
- Do not charge the battery in the car or in direct sunlight.
- Do not attempt to use the damaged battery.
- Do not squeeze the shell to avoid physical impact.
- Ensure the power rating of your device complies with the battery specifications.
- Please use SWIT charger or SWIT recommended charger to prevent overheating, rupture and other dangers.
- Keep out of reach of children.

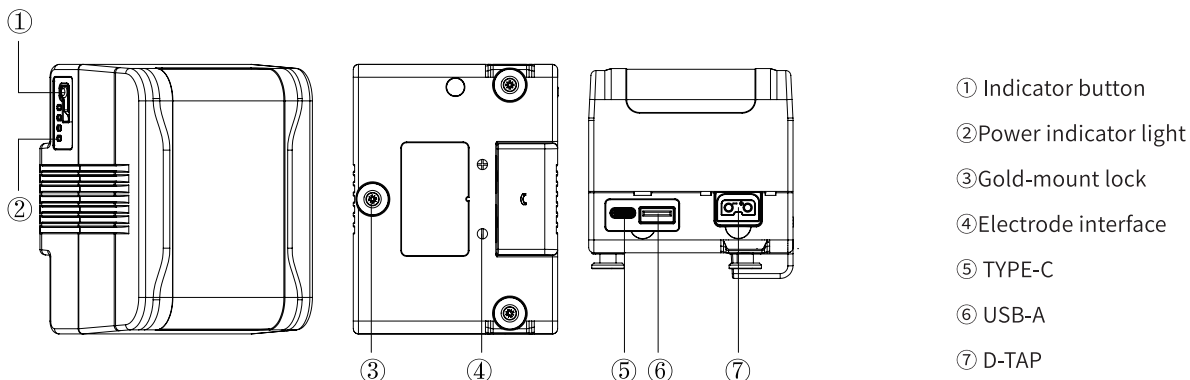
Attention

- It is normal for batteries to get hot during charging and use.
- Keep the electrodes clean to prevent any short circuits between electrodes.
- Keep the battery in a cool and dry place for long-term storage. It is recommended to keep the battery level above 50%.
- After ten days, the battery will enter sleep mode automatically. Press the indicator light button to restore the output.

Features

- One both-way Type-C interface, can supply power to mobile devices or be charged with Type-C charger.
- One both-way D-TAP interface, can supply power to other devices or be charged with this interface.
- One USB-A interface, can supply power to other devices.
- Four level LED show the life and battery level.
- Multiple circuit protections such as overcharging, over discharging, high temperature, low temperature, etc.

Appearance



Charging Instruction

- Supports using the universal TYPE-C charger,SWIT PC-P430A, SWIT S-3812A,SWIT PC-P461A,SWIT S-3822A,SWIT SC-302A, SWIT PC-U130B to charge.
- During the charging process, the LED light shows the remaining battery level(25%,50%,75%,90%).
- Batteries can be charged in the temperature range of 0~40°C, but we recommend charging in the temperature range of 10~30°C to ensure optimal battery performance.

Discharging Instruction

- At low temperatures, the internal resistance of the battery increases, and the discharge time is shortened. When the load is heavy, the battery may be automatically cut off.
- USB interface overload will cause output shutdown; press the button to restore.
- Please put on the rubber cover immediately after use to avoid dust.
- The battery can discharge within -20°C~50°C;the battery performs best within the temperature range of -10~40°C.

Indicator light

- The LED indicators from E to F respectively represent the battery levels:25%,50%,75%,90%.

Battery level	F → E
≥90%	● ● ● ●
75%~90%	☼ ● ● ●
50%~75%	○ ☼ ● ●
25%~50%	○ ○ ☼ ●
<25%	○ ○ ○ ☼

- Troubleshoot

F → E ☼ ☼ ○ ○	The battery is protected.Wait for a period of time and check the indicator status. If the indicator status returns to displaying the battery level, the battery has recovered to normal.
F → E ○ ○ ☼ ☼	Charging overcurrent or charging overtemperature. In case of charging overcurrent, remove the battery and wait for the battery to recover by itself. In case of charging overtemperature, place the battery in a cool place. It will recover automatically after cooling for tens of minutes.
F → E ☼ ☼ ☼ ☼	The battery can not be charged or discharged. Place the battery in a cool place and wait for the cell temperature to drop (recommended > 30 minutes). Then connect the battery to the charger and attempt to charge. If the battery is charged normally, the battery has returned to normal.

Specification

Model			MINO-A140		MINO-A210	
Mount type			Gold-mount		Gold-mount	
Nominal voltage			14.4V		14.4V	
Capacity			140Wh/9.7Ah		210Wh/14.6Ah	
Interface	Electrode interface	Output	150W/12A		200W/16A	
		Input	16.8V--- 5A Max		16.8V--- 8A Max	
	TYPE-C×1	Output	65W(Max), 5V/9V/12V/15V/20V(Max)--- 3.25A Protocol 1.BC1.2,Apple and Samsung phones 2.QC2.0,3.0 3.FCP,SCP 4.PD2.0,3.0			
		Input	5V/9V/12V/15V/20V(Max)--- 2.4A		5V/9V/12V/15V/20V(Max)--- 2.4A	
	D-TAP×1	Output	120W/10A		120W/10A	
		Input	16.8V--- 5A Max		16.8V--- 8A Max	
	USB×1	Output	10W,5V--- 2A		10W,5V--- 2A	
	Total Output			150W/12A		200W/16A
Dimension(mm)			105.0mm×79.6mm×63.5mm		105.0mm×79.6mm×81.8mm	
Net weight			0.747kg		1.056kg	
Charging temperature			0~40℃ (recommend 10~30℃)			
Discharging temperature			-20℃~50℃ (recommend -10~40℃)			
Other parameters	Electromagnetic compatibility		EN55032,EN55035			
	Safety		IEC62368, UN38.3			