

OMNIDOTS

SWARM Battery V3

Part of Omnidots' environmental monitoring solution

Product Specifications

Generated at the 17th of October 2022, at 01:29:40 pm

OUTPUT

Nominal Voltage Output	5.0 VDC (Weipu 4P connector)
Maximum current	2 A
Normal capacity	104 Ah
Energy capacity	375 Wh
Optimal working temperature	-10° to 65° Celcius (14° to 149° Fahrenheit)

CHEMISTRY

Battery composition	Lithium-ion (NMC)
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USE

Life time	> 400 charge cycles
Depth of discharge	80% DOD
Optimal storage temperature	-10° to 55° Celcius (14° to 131° Fahrenheit)
Control	Button for on / off / capacity check

COMMUNICATION

Electronics architecture	System-on-chip (on VDC output)
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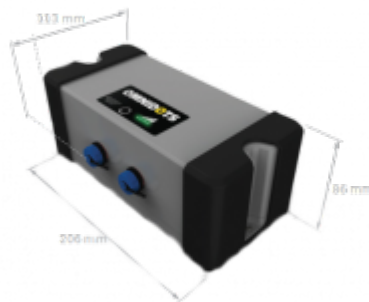
SAFETY

Ingress protection rate	IP 65 (protection from dust and water jetting)
Electronics protection	Temperature / over(dis)charge / shortcircuit

CHARGING*

Maximum charge	4.2 VDC (Weipu 2P connector)
Maximum current	10 A
Optimal charge temperature	-10° to 40° Celcius (14° to 104° Fahrenheit)
Official 4.2V 5A charger	Separately available

* Charge time is determined by available voltage and current; simultaneous use and charging is possible



DIMENSIONS

Measurements	206 x 113 x 86 mm (8.11 x 4.45 x 3.39 inch)
Mounting holes	2 x Ø 5,5 mm (Ø 0,22 inch)
Weight	Approx. 2 kg (4.41 lbs)

QUALITY

Certifications	UN 38.8 / MSDS / CE
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