Aerolithium 2**000w PORTABLE CHARGER**

This series of charger design is a 100% sealed structure type and completely waterproof. It is suitable for all chemistry’s of Lithium batteries. They are used to charge or float charge battery packs in Electric Aircraft applications. Different voltages and current outputs are available.



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| --- | --- | --- | --- |
| Model | RatedVoltage for Battery Pack | MaxOutput Voltage | MaxOutput current |
| QA-26SNMC-2000W-96V4A | 96.2V | 106.6V | 4A |

Input plug : US plug



Output plug:Anderson 50a +M8(7mm)

## TECHNOLOGY PARAMETERS

AC Input Voltage Range ：90-264VAC；45-65Hz AC Input Max Current : 6A@110VAC

Power Factor ：≥0.99 Efficiency：≥93.0% Noise ：≤45dB Protection ：IP66

## PRODUCT CHARACTERISTICS

**SAFETY**

 Active PFC and LLC technique is applied for a rapid

response on a fault; Quick active software self

-protection and reliable passive hardware self-protection on VOLTAGE & CURRENT; Advanced charging strategy is integrated as a safeguard for battery system.

# RELIABILITY

 The shell is shaped by an integrated die casting

technique and filled with special glue. The active cooling fan is also designed with a potting structure for a longer life. Products of this Charger Series have been operating in all kinds of industrial environment (Wet. Hot. Cold. High altitude) for more than ten years, the design is proved to pass the verification.

# FUNCTIONS

 Three color indicator lights can be connected externally: charging locking (the vehicle power system can be locked through the dry contact of the relay during charging).

## SIZE AND WEIGHT&TEMPERATURE

Net Weight：2.8kg

Operating Temperature：—30℃—65℃ Storage Temperature：—40℃—95℃ Size：231.9\*136.5\*76



## PROTECTION FUNCTIONS

 Burnout Protection: If temperature of charger exceeds limitations, the charger will shut down the power load. If temperature of environment exceeds 65 ℃, the charger will stop charging and switch itself to standby mode until temperature of environment goes down.

 Protection for Reverse Connection of Batteries: The circuit inside the charger shuts down when the batteries are connected in reverse and will not damage the charger or battery.

 NO-load Protection: There is no output when the batteries are not connected.

 Short Circuit: The circuit inside the charger shuts down when output is short circuited. The charger will start charging only after troubleshooting and restarting the charger.

 Automatic shutdown when fully charged: The charger automatically turns off after the battery is fully charged according to the charger’s judgment.