

## Calling All Undergraduate Engineers!

The 2<sup>nd</sup> Annual

# 2018 ZPower Battery Bowl Design Challenge You Can Win 25K

## The Challenge

ZPower, the company that manufactures the world's highest energy silver-zinc rechargeable microbatteries, invites all students currently enrolled in a U.S. undergraduate engineering degree program to develop and prototype a small device or product powered by ZPower batteries.

**"The Battery Bowl Design Challenge is a big motivational event for the students to apply their engineering knowledge to build and gain hands-on design experience."**

Tina Ng  
Professor, UCSD Jacobs School of Engineering  
2017 Winning Team Mentor



## How to Enter\*

1. Between January 15, 2018 and March 15, 2018, submit a one-page summary of your proposed device or product to contest coordinators: [Katrina.Sylvester@zpowerbattery.com](mailto:Katrina.Sylvester@zpowerbattery.com) | [Jeff.Ortega@zpowerbattery.com](mailto:Jeff.Ortega@zpowerbattery.com)
2. ZPower will choose 20 qualifying contestants by March 26th and send them a product development kit, and then it's time to get engineering!
3. Qualifying contestants will submit their presentations by June 15, and 3 finalists will be chosen to present their design to ZPower.
4. The winner will be announced by July 20, 2018.

## About Silver-Zinc Rechargeable Microbatteries

### The Most Energy

Silver-zinc cells have up to 91% more energy than the leading NiMH microbatteries and 22% more energy than Li-ion cells in the smallest silver-zinc cell available today.

### Hundreds of Recharges

ZPower's proprietary silver-zinc microbatteries can be recharged hundreds of times, based upon your application, without losing significant energy, making them ideal for medical devices, wearables and any other application that demands long-lasting energy.

### Safe & Stable

ZPower batteries use a water-based chemistry that's stable, non-flammable and safe. ZPower microbatteries will never leak toxic materials or catch fire if they're mishandled.

### 100% Recyclable

While lithium-ion batteries are classified as Universal Waste and can only be "downcycled" into lower quality materials, ZPower batteries are 100% recyclable and mercury-free, making them a better choice for the planet and our future.

### Made in the USA

ZPower is an American company with a global outlook, and we're proud to design, engineer and manufacture our products in the United States. Our corporate headquarters and manufacturing facility are located in Camarillo, California.

For more information, visit [www.zpowerbattery.com](http://www.zpowerbattery.com).

*\*Read full contest rules for summary details.*

# Battery Bowl Challenge Scope and Rules

## Battery Bowl Challenge

Develop a small "Product" that is powered by ZPower rechargeable XR41 or XR48 batteries. The Product will be illustrated in both a PowerPoint presentation and prototype. The presentation will need to include a detailed description of the Product that includes the utility and function of the Product, how the Product was made to use ZPower rechargeable batteries and the benefits or improvements to the Product that were enabled by being powered by the ZPower rechargeable batteries. The Contestants (as defined below) will have the option (not mandatory) to have monthly calls with a designated ZPower engineer to provide any additional guidance with respect to the ZPower rechargeable battery (not to help with the Product design). The PowerPoint presentation and prototype will be presented by the Contest Finalists to the ZPower Contest Committee (depending on location, this presentation may be approved to occur online).

### The Official Rules for the Battery Bowl Challenge are as follows:

1. Individuals must be 18 years of age or older and must satisfy the other eligibility requirements in these Rules (collectively "the Eligibility Requirements") in order to participate in or win a Prize in the Contest. Individuals who meet the Eligibility Requirements will have the option of participating in the Contest alone ("Individual Participant") or as a group ("Team Participant") comprised of a maximum of 8 individuals, a "Team". Each Individual Participant and each Team will be considered a single "Contestant." Each Individual Participant or Team Participant must be a current undergraduate engineering student in good standing at a college or university within the United States. Upon request, each Contestant must be able to verify its eligibility for the Contest. Employees of ZPower, its affiliates, advertising and promotion agencies and suppliers, (collectively the "Employees"), and immediate family members and/or those living in the same household of Employees are not eligible to participate in the Contest.
2. The Contest is limited to a maximum of 100 Contestants. Each Contestant must complete the entire Registration process described below in order to participate. Because space is limited, priority will be given to the first 100 Contestants who Register within the applicable time frames. Additional entries will only be accepted if a Contestant or entry is deemed ineligible by ZPower.
3. Registrations will be accepted starting on January 15, 2018 and ending March 15, 2018. In order to register and participate, each Contestant must submit a one-page summary by email to ZPower as provided below. This one-page summary should include a detailed description of the proposed Product, a rationale for the importance of the Product, the reason why this Product would be improved or enabled by ZPower rechargeable batteries, the names of all of the participants involved in the Contest, the higher education institution where this development will be taking place and the address to which the development kits should be mailed. This summary should be emailed to ZPower at Katrina.Sylvester@zpowerbattery.com and Jeff.Ortega@zpowerbattery.com.
4. A ZPower Contest Committee (comprised of individuals selected by ZPower at its sole discretion for this purpose) at its sole discretion will select 20 Qualifying Contestants no later than March 26, 2018. ZPower will send the Qualifying Contestants a ZPower development kit by April 9, 2018. The Qualifying Contestants will submit a PowerPoint presentation to ZPower by June 15, 2018. If a Qualifying Contestant is unable to submit its presentation during the required time period, it is no longer eligible to participate in the Contest. The presentation will need to include a detailed description of the Product, which includes the utility and function of the Product, how the Product was made to use ZPower rechargeable batteries and the benefits or improvements to the Product that were enabled by being powered by the ZPower rechargeable batteries. The PowerPoint presentation will be submitted by the Qualified Contestants to the ZPower Contest Committee electronically by June 15th. The ZPower Contest Committee will announce the 3 finalists on June 26, 2018. The 3 finalists will present their PowerPoint and a prototype to the ZPower Contest Committee the week of July 16th, 2018 (depending on location, this presentation may be approved to occur online). The ZPower Contest Committee, at its sole discretion, will choose the contest winner no later than July 20, 2018. The decision of the ZPower Contest Committee will be final and binding on all Contestants.
5. By registering, the Contestant ("You" and "Your") agree to be fully and unconditionally bound by these Rules, and You represent and warrant that You meet the Eligibility Requirements. In addition, You agree to accept the decisions of ZPower as final and binding as it relates to the Contest. Only those Contestants (including each Team Participant) that comply with all the above-stated requirements and Eligibility Requirements will be permitted to participate in the Contest and/or win a Prize; failure to comply with all of the above-stated requirements and Eligibility Requirements will result in a forfeiture of any right to participate in or win a Prize in the Contest.
6. Prizes: The Winner of the Contest will receive \$25,000 (the "Prize"). There is only one Prize to be awarded to one Winner in this Contest. If the Winner is a Team, the Winner will receive one Prize to be shared amongst the Team Participants at their discretion. The Prize is nontransferable and may not be claimed by and will not be distributed to anyone other than the Winner. Any and all prize-related expenses, including, without limitation, any and all federal, state and/or local taxes, shall be the sole responsibility of Winner.

### Contest Rules (continued)

7. Acceptance of the Prize constitutes permission for ZPower to use Winner's name, likeness and entry for purposes of advertising and trade without further compensation, unless prohibited by law.
8. The odds of winning depend on the number of eligible entries received. This is a skill-based contest, and the Winner is determined at the sole discretion of the ZPower Contest Committee.
9. Winner will be selected by the ZPower Contest Committee. Winner will be notified by email and/or telephone within five (5) days following selection of Winner. ZPower shall have no liability for Winner's failure to receive notices due to spam, junk email or other security settings or for Winner's provision of incorrect or otherwise non-functioning contact information. If Winner cannot be contacted or fails to return a completed and executed declaration and release as required, the Prize may be forfeited and an alternate Winner selected. Receipt by Winner of the Prize offered in this Contest is conditioned upon compliance with any and all federal, state and local laws and regulations. Any violation of these Rules by the Winner (at ZPower's sole discretion) will result in disqualification as "winner" of the Contest and all privileges as "winner" will be immediately terminated.
10. Only persons who have properly completed the Registration process may participate in the Contest; no substitutes will be permitted to participate in the Contest.
11. The Contest is subject to all applicable federal, state and local laws, rules and regulations. All references to the value of the Prize are in US funds. All applicable taxes, fees and licenses are the responsibility of the Winner of the Prize, who must pay all applicable taxes on the Prize won. No purchase is necessary to participate in the Contest.
12. By entering this Contest, You understand and agree that ZPower, anyone acting on behalf of ZPower and ZPower's licensees, successors and assigns, shall have the right, where permitted by law, to print, publish, broadcast, distribute and use in any media now known or hereafter developed, in perpetuity and throughout the World, without limitation, Your entry, name, portrait, picture, voice, likeness, image, statements about the Contest and biographical information for news, publicity, information, trade, advertising, public relations and promotional purposes without any further compensation, notice, review or consent.
13. By entering this Contest, You represent and warrant that your entry is an original work of authorship, and does not violate any third party's proprietary or intellectual property rights. If Your entry infringes upon the intellectual property right of another, You will be disqualified at the sole discretion of ZPower. If the content of your entry is claimed to constitute infringement of any proprietary or intellectual proprietary rights of any third party, You shall, at Your sole expense, defend or settle against such claims. You shall indemnify, defend and hold harmless ZPower from and against any suit, proceeding, claims, liability, loss, damage, costs or expense, which ZPower may incur, suffer or be required to pay arising out of such infringement or suspected infringement of any third party's right.
14. By entering the Contest, You agree to release and hold harmless ZPower and its subsidiaries, affiliates, advertising and promotion agencies, partners, representatives, agents, successors, assigns, Employees, officers and directors from any liability, illness, injury, death, loss, litigation, claim or damage that may occur, directly or indirectly, whether caused by negligence or not, from Your participation in the Contest.
15. ZPower reserves to itself the right to interpret these Rules (inclusive of the requirements regarding the Contest) and to resolve any dispute or situation not covered by these Rules in such manner as it deems fair and appropriate in its sole discretion, and each such decision shall be final and binding on the Contestants. To apprise ZPower of a dispute, the Contestant must provide written notice in person or delivered by a nationally recognized overnight courier service or certified US mail to Katrina Sylvester, ZPower at 4765 Calle Quetzal, Camarillo, CA 93012, within 10 calendar days of the event giving rise to the dispute. The notice must include a detailed written description of the basis of the dispute.
16. These Rules shall be governed by and construed in accordance with the laws of the State of California. ZPower and each Contestant agree that any unresolved matters arising out of or relating to these Rules or the Contest that would otherwise be subject to litigation in a court of competent jurisdiction or subject to the jurisdiction of a regulatory agency will be submitted, instead, to the extent not contrary to law, to arbitration in accordance with the rules of and shall be administered by the American Arbitration Association, with the proceedings to be held in Los Angeles, California, and in the case of any appeal permitted under these rules, exclusive jurisdiction and venue will rest with the federal and state courts in the State of California, County of Los Angeles. If any provision of the Rules is found to be invalid or unenforceable, such invalidity or unenforceability shall not invalidate or render unenforceable the balance of these Rules; instead, the balance of these Rules shall be construed as if not containing the particular invalid or unenforceable provision, and the rights and obligations of each Contestant and ZPower shall be construed and enforced accordingly. No Contestant shall have the right to assign or otherwise transfer his/her rights or obligations under these Rules or with respect to the Contestant. No waiver by ZPower of any provision of these Rules shall be valid unless it is in writing and signed by ZPower. No waiver on any one occasion shall be deemed a waiver on any other occasion, nor shall the waiver of any one provision extend to any other provision.

### **Contest Rules (continued)**

17. ZPower is not responsible for any errors or omissions in any advertising for the Contest, whether online or otherwise. ZPower is not responsible for any incorrect or inaccurate information about the Contest disseminated by Contestants or anyone else. ZPower is not responsible for any computer, cellular phone or other equipment malfunction that affects the Contest.
18. ZPower reserves the right in its sole discretion to change, cancel, suspend or modify the Contest at any time for any reason, without notice, including, without limitation of the foregoing, in the event that ZPower concludes the Contest is not capable of being conducted or continued as planned (e.g. due to any cause which ZPower in its sole discretion concludes affects the administration, security, fairness, integrity or proper conduct of the Contest) or in the event that it is impractical to conduct or continue all or any part of the Contest as a result of events beyond the control of ZPower (including, without limitation of the foregoing, acts of terrorism, civil commotion, war, fire, explosion, inclement weather or other Acts of God, power failure, labor unrest of any type, or road or traffic conditions).
19. By registering for or otherwise participating in this Contest, each individual agrees to be bound by these Rules as amended, interpreted and applied by ZPower in its sole discretion. ZPower reserves the right to disqualify from participation in the Contest any individual or Team who violates any of the Rules, or attempts in any way to defraud ZPower or any other individual or Team, and anyone so disqualified will be deemed to have forfeited his/her right to a Prize and the individuals involved may be subject to civil liability and/or criminal prosecution. Furthermore, any violation of any applicable federal, state or local laws, rules or regulations, any violation of another individual's or Team's or third party's rights or interests, any acts intended to interfere with or hinder the participation of any other individual or Team, or any other conduct that ZPower deems in its sole discretion to be inappropriate may result in the Contestant's disqualification and forfeiture of any right to a Prize and may subject the individuals involved to civil liability and/or criminal prosecution.
20. ZPower reserves the right in its sole discretion to subject the winning of the Prize in this Contest to an eligibility verification process. Good faith efforts will be made to complete this eligibility verification process as soon as reasonably possible. At the sole discretion of ZPower, a Contestant will not be a "winner" until the eligibility verification process has been completed and ZPower is satisfied in its sole discretion that the Contestant is entitled under these Rules to the Prize; if ZPower is not so satisfied, the Contestant will be deemed to have forfeited the Prize. Each Individual Participant and each Team Participant on a Team that wins the Prize must also, upon request, sign such documentation as ZPower requires with respect to accepting the Prize, including without limitation ZPower's Acceptance of Award form; anyone who fails to sign any such item upon request shall be deemed to have forfeited the Prize. Acceptance of all or any part of a Prize constitutes that person's permission for ZPower and its affiliates and designees to use his/her likeness, first name and hometown for publicity or promotional uses without compensation.
21. BY REGISTERING FOR THE CONTEST YOU AGREE TO WAIVE ANY AND ALL RIGHTS AGAINST AND RELEASE, HOLD HARMLESS, AND TO THE FULLEST EXTENT PERMITTED BY LAW, INDEMNIFY AND DEFEND THE RELEASED PARTIES FROM ALL CLAIMS, CAUSES OF ACTION, DEMANDS, RESPONSIBILITY AND LIABILITY OF WHATEVER KIND OR NATURE, IN LAW OR EQUITY, WHICH ARISE OR MAY ARISE, NOW OR LATER, WHETHER OR NOT NOW KNOWN OR SUSPECTED, WHICH YOU, YOUR HEIRS, EXECUTORS, ADMINISTRATORS, PERSONAL REPRESENTATIVES, LEGAL SUCCESSORS AND/OR ASSIGNS NOW HAVE OR MAY HAVE AGAINST THE RELEASED PARTIES ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE CONTEST, INCLUDING WITHOUT LIMITATION CLAIMS, CAUSES OF ACTION, DEMANDS, RESPONSIBILITY AND LIABILITY INVOLVING ACCIDENT, INJURY, PARALYSIS, DISABILITY, DEATH AND/OR DAMAGE TO OR LOSS OF PROPERTY, AND YOU FURTHER AGREE TO INDEMNIFY AND DEFEND THE RELEASED PARTIES FROM AND AGAINST ALL THIRD PARTY CLAIMS ARISING FROM FAILURE ON YOUR PART TO COMPLY WITH ANY OF THE RULES.
22. The Sponsor of the Contest is ZPower, LLC, 4765 Calle Quetzal, Camarillo, CA 93012.