Series: iKIT™

Features:

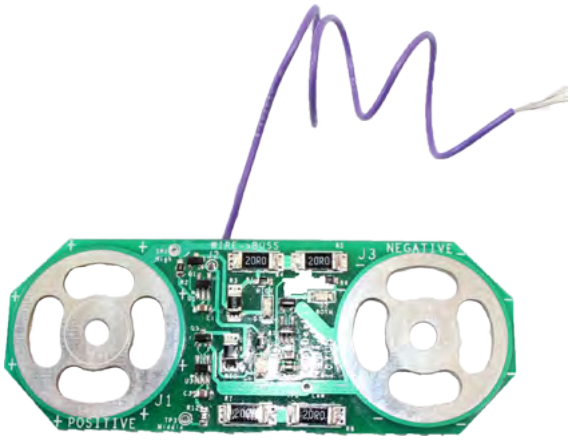
- Bus bars for rectangular or offset modules
- 2-stage balancing for a variety of applications
- positive connection tabs for final termination with or without stud
- All hardware required
- RoHS compliant

Applications:

- Product validation
- Prototyping
- Low volume production
- Custom configuration

Physical		
Required Cell Diameter	60mm(nom)	
Cell Orientation	0,30,60,90 Degree	
Cells Available	3000F	
	1200F	
Management		
Individual Balancing	2.0V for each cell	
Overvoltage Protection	5.4V for cell pair	
Operations		
Configurations	Must be used in even numbers	
	Housing or other voltage isolation responsibility of the customer	
Current	Bus bars designed for sub 1000A operation	
Part number	iKIT60MM2V7A2S-001	
Additional materials needed	NoAlOx or equivalent	
Mass of Package	<0.5kg	
Standards Compliance	RoHS CH.RoHS CE CRoHS	

iKIT60MM2V7A2S Parts Images



Balancing Cards x3

Terminal Bars x2

Bus Bar x6

Rivets x3

6mm Cap Screws x24

Spring Washer x24

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iKIT60MM2V7A2S Installation Instructions- (RSC2R7308LR cells pictured)

1. Ensure that cells are discharged to 0±0.1 volts before proceeding
2. Stand cells on end in alternating positive/negative orientation
3. Apply aluminum anti-oxidazing (No-Al-Ox or equivlent) agent to the cell side surface of each buss bar. Be careful to clean excess anti-oxidation agent from all surfaces and hands

4. Place bus bars on top of the cells, aligning the threaded holes in the cells with the slots in the bus bars. Install screws through spring washers and bus bars into the cells and snug but do not torque at this point

5. Rivet each PCB flying lead to the remaining bus bars using the supplied rivets

6. Flip cells over and install bus bars on remaining terminals connecting only negative to positive terminals

7. Only use terminal end busbars on the first and last cell in a series chain

8. Lay the balancing PCBs over the bus bars in the indicated direction (negative on the board should be connected to a negative terminal) and connected to the same cells as the bus bar the wire is riveted to. Secure with screws and washers making sure that the PCB that the bus bar is connected to is directly opposite the bus bar

9. Torque screws to 4-5Nm

10. Please note that this is representative of the process only and this process may be completed many ways. For instance cells may be staggered up to 60°

Please see www.IOXUS.com for the most recent version of this document and all applicable data sheet