



# XS POWER

## Smart LiFe Receiver Pack

Welcome to the XS-POWER Smart Series of Lithium Iron Phosphate (LiFePO<sub>4</sub>) receiver batteries. LiFe offers high discharge rates in a very high weight to capacity ratio; longer life cycles and is a relatively safe lithium battery chemistry. The chemistry is 90 - 95% energy efficient.

### **Charging your Smart Battery with the Advanced Radio AR I-Charge battery charger.**

The Smart Pack comes ready to be charged with the Advanced Radio I-Charge or a conventional balance charger.

To charge with the I-Charge simply plug the balance lead into the smart balance circuit located on the side of your XS-POWER pack. Connect the JR connector to the I-Charger charge port select the 2S LiFe setting (Black I-Charge Stack) and you are ready to go.

### **Charging with a standard balance charger.**

You can also charge this pack with a conventional LiFe charger by simply connecting the balance plug to the balance connector on your charger. You then select a standard 2S LiFe balance charge setting. With a conventional balance charger you do not use the Smart Batteries build in balance circuit.

Tests have shown that LiFe chemistry is very robust against over voltage charging however, it is important that this pack **only be charged with a charger capable of charging LiFe 2S battery chemistry**. Charging with excessive voltage may lead to the destruction of the individual cells, may cause fire and/or may reduce the life of the flight pack. For the best charge results, always charge this battery pack at a rate of 1C.

***Never under any circumstances leave this pack unattended during the charge cycle.***

The state of charge of this battery as shipped is at an optimum level for storage of LiFe chemistry. **It is important that you charge this flight pack with an approved LiFe charger prior to first use.**

### **Power Connectors**

The XS-Power Smart Pack also comes with a JR connector and an EC3, Ultra or MPX connector. Both of these leads connect directly to the battery pack + and - terminals. The JR connector is provided for charging and the EC3, Ultra or MPX connector for power to the receiver.

### **Usage**

This XS-Power pack has been designed specifically to power 6.6 volt systems. The cells are rated at 20C/40C burst which is far above the requirements of servos current draw on all giant scale models.

The voltage of this XS-Power pack at full charge capacity should be 7.2volts and will decrease to 6.6volts under normal load.

**IT IS HIGHLY RECOMMENDED THAT YOU CALCULATE YOUR MODELS mAh USAGE PER FLIGHT AND ALLOW FOR A 25-30% SAFETY MARGIN WITH THIS PACK. We recommend the Advanced Radio Smart Switch or Smart Bus as excellent battery usage monitoring devices.**

### **12 Month Replacement Warranty Information**

Advanced Radio will replace any pack within 12 months if found to be defective in material and/or workmanship when used as a receiver pack and charged with an appropriate LiFe charger. The warranty does not cover - Shipping charges related to any warranty claim. Discharged batteries that can be recharged and returned to service. A battery of incorrect capacity for the intended use (Over current draw). Damage due to charging system failure, deep discharge below recommended minimum discharge voltage, negligence, abuse, accident, improper installation or freezing. Loss of time, inconvenience, loss of model, or other incidental or consequential damages.



Advanced Radio XS-Power Batteries

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