



## ***Personal Power Pack Jump Starter***

### **USER MANUAL**

#### **SJS3000 *PRO* Series**

**For use with MOST Vehicles :**

**UP TO 7L (7000cc) DIESEL Engines \*\***

**UP TO 10L (10,000cc) PETROL Engines \*\***



**3000 Amp**

**Max. Cell Power \***

**1200 Amp**

**Max. Peak Clamp Power \***

**800 Amp**

**Max. Start Clamp Power \***

**Smart Jump Starters Pty Ltd**

**Queensland AUSTRALIA**

**[www.smartjumpstarters.com.au](http://www.smartjumpstarters.com.au)**

**\*IMPORTANT\***

**All SMART JUMP START CHARGERS are designed to be used as an EMERGENCY JUMP STARTER and a PORTABLE POWER SUPPLY to enable charging of most digital devices. They are capable of jump starting MOST VEHICLES WITH FLAT BATTERIES . They are NOT a vehicle battery charger.**

**THIS PRODUCT WILL NOT RECTIFY EXISTING OR APPARENT STARTING SYSTEM PROBLEMS .**

**THEY ARE NOT TO BE USED OR ATTEMPTED TO BE USED AS A PERMANENT POWER SUPPLY FOR ANY VEHICLE.**

**PLEASE REFER TO THE USER MANUAL SUPPLIED FOR MORE INFORMATION .**

**\* Max. Cell Power** is the absolute maximum current output of the battery cell.

**\*Max. Peak Clamp Power** is the maximum peak current available at the jumper clamps for initial turn over of the engine when attempting a jump start.

**\*Max. Start Clamp Power** is the maximum start current available at the jumper clamps to keep the engine turning over when attempting a jump start .

**\*\* Vehicle Engine Parameters** are quoted on the basis that the vehicle attempting to be jump started only has a flat battery and the starting system of the vehicle is in good order .

**TECHNICAL SPECIFICATIONS SJS3000 Pro Series**

**Size:** L: 186mm W : 89mm H : 65mm (Power Pack only)

**Weight:** 1 kg (Power Pack only)

**Battery :** 12v Lithium Polymer 32,000mAh (118.4Whr) 6S 2P 3.7v per cell .

**Max. Current :** 3000A Absolute . 1200A PEAK at clamps 800A START at clamps

**Output:** Jump Port 12vDC .

**Device powering** 12v DC up to 180watts . Use SSCFCL156 Adaptor NOT INCLUDED

**Digital Charging Ports :** 12v2.5A/16v3.5A/19v 3.5A DC . USB x2 5V 2.1A / 5v 1A

**Battery Chargers :** AS approved 240vAC/15v 2A DC . 12vDC/15vDC 1A Car Charger

**Recharge Time :** 4 hrs from flat with 240v charger . 8hrs with Car charger

**Charge Indicator :** Backlit LCD Display screen

**Self Discharge Rate :** approx. 0.2V per month depending on ambient storage temperature

**Protection & Safety :** Reverse Current , Reverse Polarity , Short Circuit , Overtemp,

Overcranking., Surge , Voltage Differential , Overload Reset, Over Charge, Over Discharge

**LED Flashlight:** 3 Mode , Full , S.O.S , Emergency Flash

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## FUNCTION DETAILS SJS3000 POWER PACK



- 1. LED FLASHLIGHT**
- 2. LCD DISPLAY SCREEN**
- 3. MULTI VOLT DIGITAL CHARGE PORT 12V, 16V , 19V DC**
- 4. MODE SWITCH**
- 5. (a) USB DIGITAL CHARGE PORT 5V 2.1A DC**
- 5. (b) USB DIGITAL CHARGE PORT 5V 1A DC**
- 6. CHARGING INPUT PORT**
- 7. ON / OFF SWITCH**
- 8. JUMP PORT**

## SJS3000 ACCESSORIES INCLUDED



**A 240V AC / 15V DC 2A BATTERY CHARGER**  
Part No. SJS02BC



**B 12VDC / 15VDC 1A CAR CHARGER**  
Part no. SSC01CL



**C JUMPER LEADS *JUMP START SAFE***  
Part No. JSSJL30



**D EC8 to EC5 CABLE ADAPTOR**  
Part No. SJSEC85



**E USB 5V 2 IN 1 ADAPTOR CABLE**  
Part No. SJS21USB



**F MULTI VOLT DIGITAL CHARGING ADAPTORS  
AND CABLE**  
Part No. SSCMV568

## **CHARGING THE POWER PACK**

Before initial use please fully charge the Power Pack with either the 240v Wall Charger (A) or the Car Charger (B) .

**WARNING : ONLY USE THE BATTERY CHARGERS SUPPLIED WITH YOUR SJS3000 KIT . THE USE OF ANY OTHER BATTERY CHARGERS COULD DAMAGE THE POWER PACK RESULTING IN CATASTROPHIC DAMAGE BY FIRE OR OTHER AND OR RESULT IN SERIOUS INJURY . THE USE OF ANY OTHER BATTERY CHARGERS WILL AUTOMATICALLY VOID THE WARRANTY ON THIS PRODUCT .**

### **240v BATTERY CHARGING**

Make sure the ON/OFF Switch (7) is in the OFF position . Plug the jack plug of the 240v Wall Charger (A) into the Charging Input Port (6) on the Power Pack . Plug the Charger into a 240v wall socket . The LCD Display Screen (2) will light up and the numbers in the display will flash . After 5 seconds the LCD Display Screen (2) will dim but the numbers will still be flashing . Charge time from flat is approximately 4 hrs at which time the numbers in the LCD Display Screen (2) should be 100% and NOT flashing . To illuminate the LCD Display Screen at any time push the Mode Switch (4) once and the screen will illuminate . Fully charged , the power pack should have Voltage of between 12.45 v to 12.5v . To measure the Power Pack voltage , lift the rubber flap over the Jump Port (8) and using a good quality Multimeter put the probes into the Jump Port (8) output terminals and note the DC voltage reading on the Multimeter . (Note: Multimeters can vary in accuracy from brand to brand ) .

### **IN CAR CHARGING**

Follow the procedure above except plug the Car Charger (B) into the female 12v power socket of the vehicle . Make sure the 12v power socket is in good condition . The RED led on the end of the Car Charger (B) will illuminate indicating the charger has power . Allow up to 8 hrs to charge the Power Pack from flat when In Car Charging .

### **OVER CHARGE PROTECTION**

The SJS3000 has OVERCHARGE PROTECTION . Once the Power Pack is fully charged the charging process will cease . Leaving the Power Pack on charge when fully charged will not harm the Power Pack . However it is recommended to not continually charge the Power Pack for more than a few days at a time .

### **OVER DISCHARGE PROTECTION**

The SJS300 has OVERDISCHARGE PROTECTION . Lithium batteries cannot be allowed to be completely flat . When the Power Pack LCD Display Screen (2) is showing 0% or not illuminating the LCD Display Screen the Power Pack is deemed flat at 8.55V .

### **POWER PACK VOLTAGE RANGE**

The Lithium battery cell in the Power Pack has a range of 12.5v fully charged to 8.55v flat .The LCD Display Screen (2) displays battery charge in percentages 0 % to 100% .

**IT IS RECOMMENDED THAT AFTER EACH USE ,WHETHER THAT BE JUMP STARTING OR DIGITAL DEVICE CHARGING, TO RECHARGE THE POWER PACK FULLY. RECHARGING THE POWER PACK REGULARLY ,EVEN IF FULL ,EVERY 6 TO 8 WEEKS WILL ENHANCE THE BATTERY CAPACITY LIFE OF THE POWER PACK GREATLY .**

The SELF DISCHARGE RATE of the Power Pack battery cell is approximately 0.2v per month dependant on ambient storage temperature .

**ALWAYS STORE THE POWER PACK IN ITS CARRY BAG WITH ON/OFF SWITCH(7) TO OFF.**

## **LCD DISPLAY SCREEN (2)**

The LCD Display Screen reads Power Pack Voltage 0% to 100% . To check the Power Pack charge capacity at any time by switching the ON/OFF Switch (7) to ON . The LCD Display Screen will illuminate and show the percentage number . After 3 seconds the backlight will go off . If not using the Power Pack for Digital device charging the LCD Display Screen will turn off due to power saving mode .

When charging digital devices the LCD Display Screen will initially illuminate then the backlight will go off but the charge indicator percentage will still be showing . To illuminate the LCD Display Screen at any time push the Mode Switch (4) once .

## **CHARGING DIGITAL DEVICES**

### **USB 5V 2.1A /1A**

Check the charging requirement voltage and current for your device from the manufacturer specification . Switch the ON/OFF Switch (7) to ON . The LCD Display Screen (2) will illuminate. Plug the USB 2 in 1 Adaptor Cable (E) into either of the USB Digital Charge Ports (5a) (5b). Select 1 or 2 of the adaptors on the cable and plug into the charge port of your digital device . You can also use the original USB charge cable supplied with your device .

**NOTE :** Some brands of phones or tablets have blocking software not allowing non genuine cables to charge your device . Adjust the settings on the device to unblock the software .

## **MULTI VOLT CHARGING**

### **12V 2.5A / 16V 3.5A / 19V 3.5A**

Check the charging requirement voltage and current for your device from the manufacturer specification .

The SJS3000 kit comes with Multi Volt Charging Cable with 8 Adaptors (F) . Turn the ON/OFF Switch (7) to ON . The LCD Display Screen (2) will illuminate . Push the Mode Switch (4) once and 12v will appear in the bottom of the screen . Push Mode Switch once more for 16v and once more for 19v . Once you have selected the correct voltage for your device plug the Multi Volt charging cable with the suitable adaptor into the charge port of your device . The LCD Display Screen backlight will turn off but the numbers will stay .

**NOTE :** Some Laptops and other larger devices have large battery capacity . It may in some cases the SJS3000 Power Pack will not be able to fully charge your device .

## **POWERING 12V DC DEVICES**

The SJS3000 Power Pack is able to power 12v devices up to 180watts 15Amps . Lift the rubber flap over the Jump Port (8) . Plug the EC8 to EC5 Adaptor (D) into the jump port . Plug the SSCFCL Female Cig Lighter Adaptor ( optional accessory not supplied) into the EC5 connector . Connect your device via a male cig lighter plug into the SSCFCL156. you can check the Power pack capacity at any time by switching the ON/OFF Switch (7) to ON and the LCD Display Screen will show remaining capacity . To power 12v device from the Jump Port the ON/OFF does not necessarily have to be ON . **DO NOT USE ANY OTHER FORM OF PLUG OR CABLES CONNECTED TO THE JUMP PORT OTHER THAN GENUINE SJS ACCESSORIES .**

## **LED FLASHLIGHT (1)**

The LED flashlight (1) has 3 modes . Switch the ON/ OFF Switch (7) to ON . Push the Mode Switch (4) and hold for 3 seconds for FULL push Mode Switch again for S.O.S. push Mode Switch again for EMERGENCY FLASH . Push and hold Mode Switch for 3 secs to turn off .

## JUMP STARTING A VEHICLE

**WARNING : DO NOT USE ANY OTHER JUMPER LEADS OTHER THE THOSE SUPPLIED WITH THE SJS3000 KIT . THE JUMPER LEADS (Part No, JSSJL30) HAVE MANY PROTECTION FEATURES AND ARE SPECIFICALLY DESIGNED FOR THE SJS3000 POWER PACK AND USE THE LATEST *JUMP START SAFE Technology* TO PROTECT THE POWER PACK FROM DAMAGE AND FOR THE SAFETY OF THE END USER . THE USE OF ANY OTHER TYPE OR FORM OF JUMPER LEADS OR CABLES IS STRICTLY PROHIBITED AND COULD CAUSE CATASTROPHIC DAMAGE BY FIRE OR OTHER TO THE POWER PACK OR CAUSE SERIOUS INJURY TO THE END USER .**

**THE USE OF ANY OTHER JUMPER LEADS OR CABLES WILL VOID WARRANTY .**



**SJS3000 JUMP START SAFE JUMPER LEADS\  
Part No. JSSJL30**

**Determine that the vehicle engine size is within the design parameters for this product .**

**Switch the ON/OFF Switch ( 7 ) to ON . Check the LCD Display Screen (2) to ensure there is at least 75% battery capacity to enable a jump start attempt . The ON/OFF Switch does not need to be ON for jump starting .**

**Lift the rubber flap over the Jump Port (8) . Plug the Jumper Leads ( C ) EC8 blue connector plug into the Jump Port . Follow the INSTRUCTIONS BELOW CAREFULLY .**

- 1. PLUG THE JUMPER LEADS INTO THE POWER PACK . LED light should be flashing **RED / GREEN** .The jumper leads are NOT LIVE at this stage .**
- 2. Identify the Positive(+) and Negative (-) battery terminals on the vehicle battery . Connect the Red (+) jumper clamp to the Positive (+) battery terminal and the Black (-) jumper clamp to the Negative (-) battery terminal . LED light should be **SOLID GREEN** . THE VEHICLE IS NOW READY TO BE JUMP STARTED . NOTE : THE JUMPER LEADS WILL ONLY ALLOW THE ENGINE TO BE CRANKED IN 5 SECOND INTERVALS .**
- 3. Turn the engine over at intervals of 5 secs each time. When engine has STARTED the LED light should turn to **RED SLOW FLASH** indicating the REVERSE CHARGING PROTECTION is enabled . DISCONNECT THE JUMPER LEADS AND POWER PACK FROM THE VEHICLE IMMEDIATELY THE VEHICLE HAS STARTED . STORE THE POWER PACK AND JUMPER LEADS IN THEIR CARRY CASE .**

**IF YOU SEE ANY OTHER LED LIGHT CODES AND THE VEHICLE WILL NOT TURN OVER .  
CHECK THE TROUBLE SHOOTING GUIDE ON THE NEXT PAGE**

# **JUMP START SAFE JUMPER LEADS** Part No. JSSJL30

## **LED IDENTIFICATION CODES AND TROUBLE SHOOTING GUIDE**

<b>PROBLEM</b>	<b>POSSIBLE CAUSE / CHECK</b>	<b>SOLUTION</b>
<b>GREEN SLOW FLASH</b> When jumper leads are plugged into power pack.	Low Power Pack Voltage . Too low for jump starting. (10.5V)	Fully charge Power Pack (12.5V)
<b>RED/ GREEN FLASH</b> When jumper clamps connected to vehicle battery.	Low Vehicle Battery Voltage 1. Bad or poor connection of jumper clamps to battery terminals . 2.VEHICLE BATTERY VOLTAGE IS LESS THAN 0.5V .	1. Clean dirty battery terminals . Make sure clamps have secure connection to terminals . 2. REPLACE THE VEHICLE BATTERY .
<b>SOLID RED</b> When jumper clamps connected to vehicle battery .	Incorrect connection of clamps to battery terminals .	Remove clamps and connect correctly . Red to (+) Black to (-)
<b>RED SLOW FLASH</b> When jumper clamps connected to vehicle.	Vehicle battery voltage (>12.5v) higher than power pack voltage .	1.Make sure Power Pack is fully charged (12.5v) . Turn on headlights and heater fan to try and lower the vehicle battery voltage. LED light should then turn <b>SOLID GREEN</b> . 2. Vehicle does not have flat battery but another starting problem .
<b>RED FAST FLASH</b> Whilst turning engine over .	High temperature detected in jumper leads .	Too many 5 sec. continuous start attempts . Let jumper leads cool down to reset to <b>SOLID GREEN</b> .

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## **RESETTING THE POWER PACK**

**The Power pack has Overload Protection . If the Power Pack detects an overload situation either during jump starting or digital charging it will shut down .**

**To rest the power Pack simply recharge the Power Pack for 10 to 15 secs with either the 240v Wall Charger (A) or Car Charger (B) .**

## **STORAGE AND MAINTENANCE**

**Always store your Power Pack in the Carry Case supplied in a moisture free environment .**

**Avoid storing the SJS3000 kit in areas of excessive heat where ambient temp is above 60 deg C**

**Only clean the Power Pack and accessories with a dry cloth .**

**Regular recharging of the Power Pack is recommended every 6 to 8 weeks which will enhance the battery cell capacity life greatly .**

## **RECOMMENDED GENUINE SJS ACCESSORIES .(Not Included )**



**Part No. SSCFCL156**

**For powering 12v DC devices up to 180 watts 15 amps .**



**Part no. TP001**

**12v Tyre Pump 0-80 psi .**

**Variable current draw 2 to 6 Amps.**

**WARRANTY** Smart Jump Starters Pty Ltd warrants all of its products to be sold free of defects in materials and workmanship .

Additionally, our goods come with a 12 month guarantee that cannot be excluded under the Australian Consumer Law.

You are entitled to a replacement or refund for an unforeseeable major failure and to compensation for any other reasonable foreseeable loss or damage . You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure . Please refer to the User Manual provided with these goods for warranty conditions .

**WARNING** Please read the User Manual and all Instruction Cards and Labels on this product before using your Smart Jump Start Charger .

Only use this product as per the Instructions provided .

Only use the Battery Chargers supplied with this product . The use of any other Battery Charger is strictly prohibited and could cause catastrophic battery cell damage or serious injury .

**THE POWER PACK IS NOT TO BE USED AS A PERMANENT OR FIXED POWER SUPPLY IN PLACE OF THE ORIGINAL BATTERY IN THE VEHICLE OR DEVICE .**

**WARRANTY EXCLUSIONS**

- If the Power Pack or any accessories have been misused , dropped , exposed to water or damaged in any way by use outside the design parameters of the product .
- The use of any other jumper leads or cables other than that supplied with this product .
- The use of damaged jumper leads .
- The use of any other cable or item that could be connected to the jump port of this product to power 12v devices other than Genuine SJS Accessories .
- If the Power Pack case has attempted to be opened or has been opened and or attempted repair .
- General mistreatment or poor care of the product .

**For Technical Support**

**Please contact Smart Jump Starters Pty Ltd**

**[www.smartjumpstarters.com.au](http://www.smartjumpstarters.com.au)**