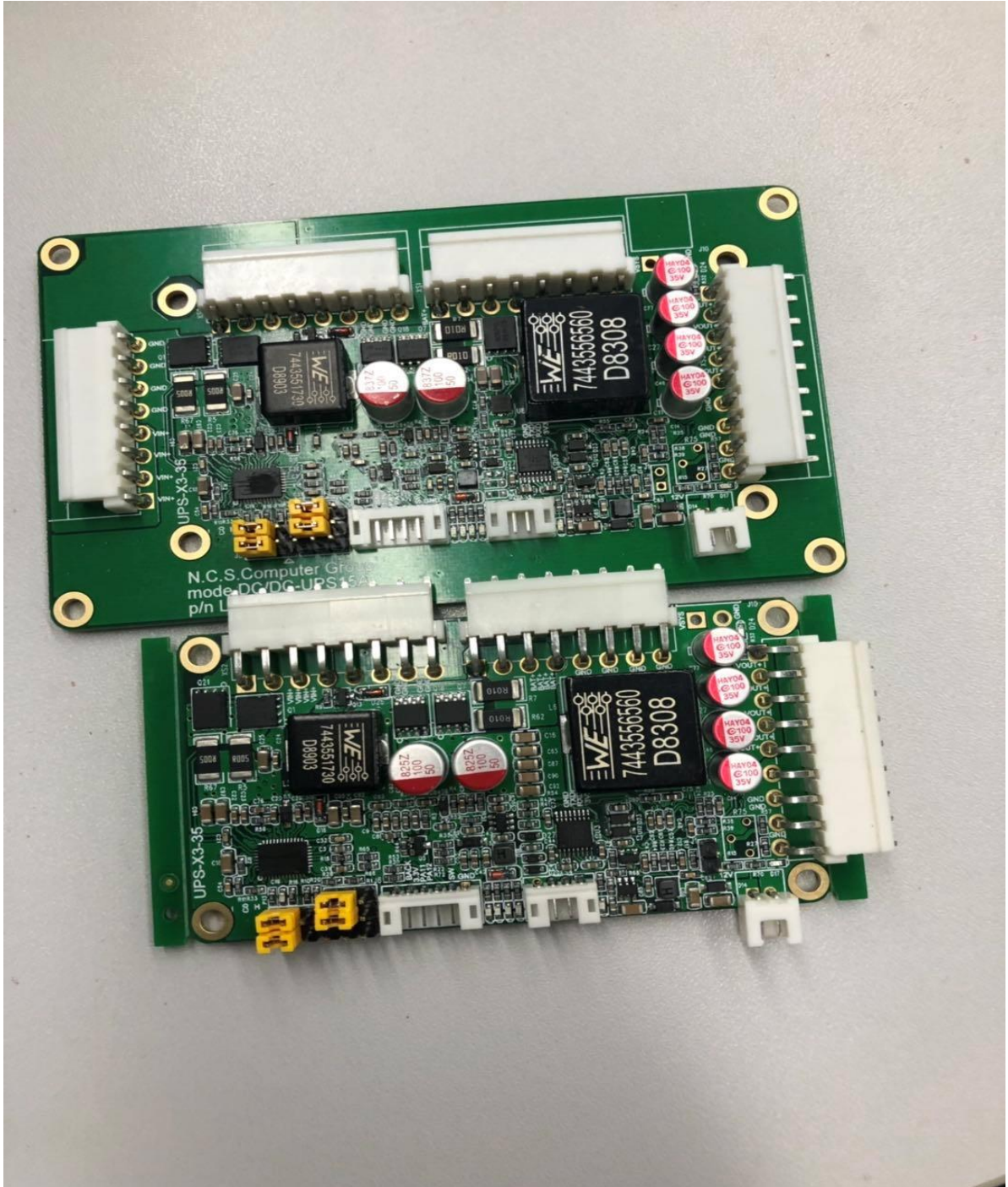


# NCS Industrial Computers

Committed to excellence since 1975

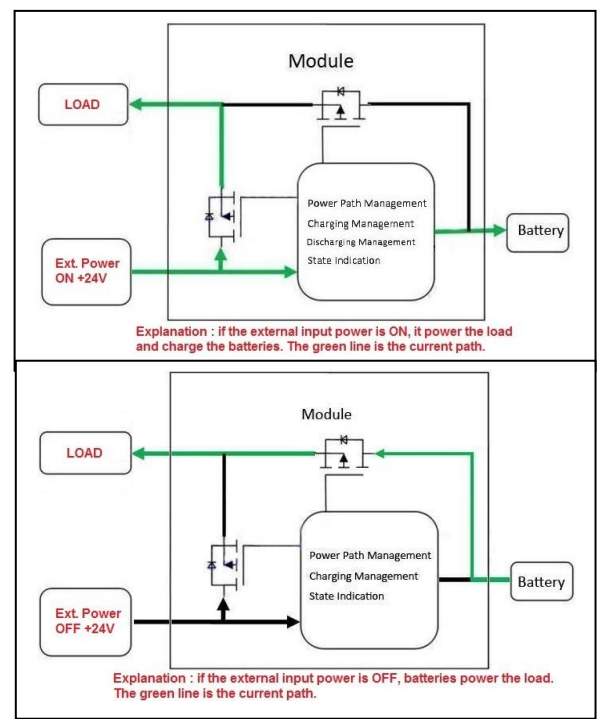
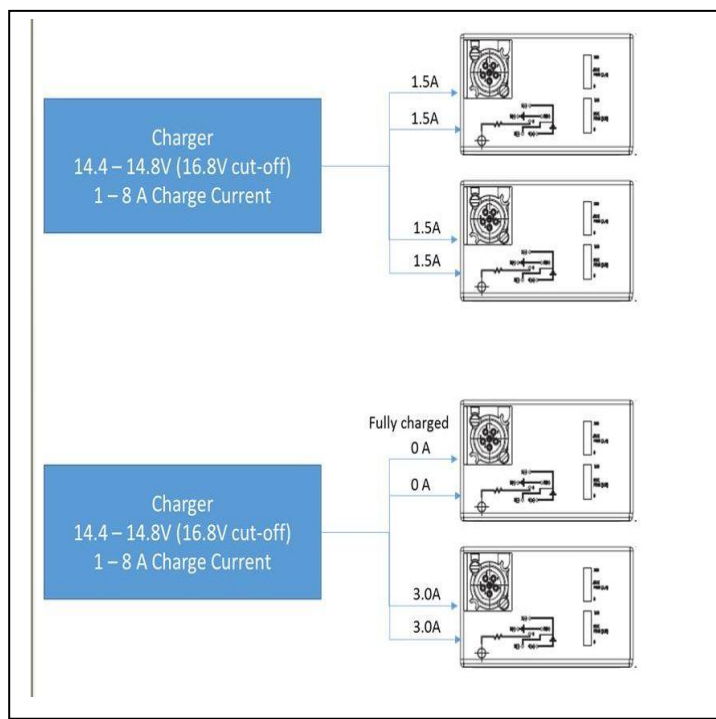
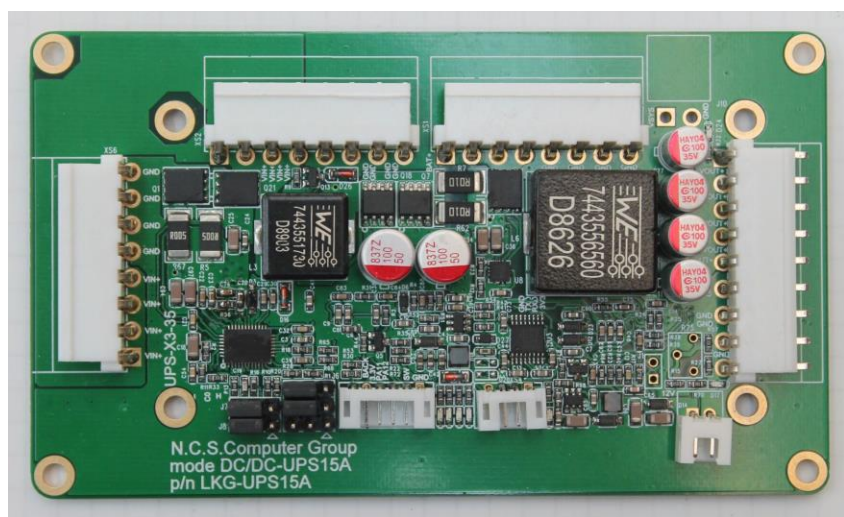
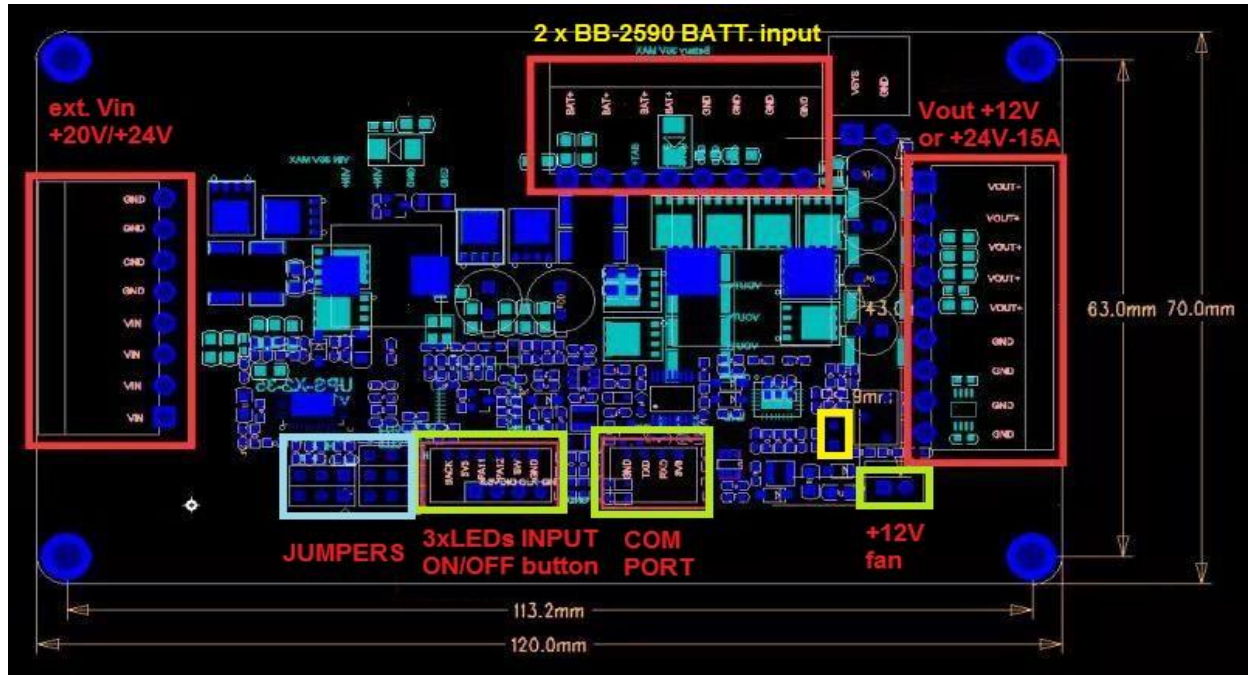
**Small 12V/15A DC-DC/UPS board charge/discharge for two BB-2590 military batteries.**  
**This board is for industrial, military and Marine applications.**  
**Available a complete and lightweight system, with two batteries for more then 600Wh,**  
**in a IP65 rugged aluminum enclosure with sealed connectors.**



**Vout +12 Vdc o +24Vdc /15A - Operating Temperature -40°C to + 85°C**  
**dimensions board : 120 (4,72") x 70mm (2,755")**

**Your problem is our challenge. When Your mission is critical ....**  
**Make your life simpler by utilizing NCS' 46 plus years of experience.**  
**All of our Systems are designed to operate in very hostile environments.**





**Features**

Model	• <b>Industrial rugged DC-DC/UPS 15A board</b>
Battery	Two military Li-Ion BB-2590 batteries
Vin to charge battery	From external PS +20V to +24V
Max Input Current	15a (max 20A)
Standby Current	<200uA
Charging Voltage	4V-23V
Charging Current	0.5-6A adjustable by sw
Charging Efficiency	>95%
Output Voltage	12V or 24V by jumper on the board
Output Current	15A (peak 20A)
Output Power	180W
Output Ripple Wave	<80mVp-p
monitor battery	3 output for external LEDs
Comunication	COM port Tx/Rx - Sw SmartUPS
FAN	+12Vdc connector for external FAN
Input power switch	cut off only the +12V but not the charging if the Vin is connect
MTBF	>100,000hrs (50 °C)
Operating Temp.	-40°C ~ +85°C
Storage Temp	-20°C ~ +90°C
HR	0 ~ 95% to 45°C non-condensing
Dimensions	120mm x 70mm (4,72" x 2,75")

When it switch ON/OFF the Vin, or disconnected of the Vin connector, the Vout is stable and it not produce never a reset of the system. So, when Vin is present (20-28V), the DC-DC/UPS modules always gives the Vout + 12Vdc / 15A, and charge the batteries. If Vin is removed, the modules continue to give the Vout + 12Vdc from batteries, without break. If the input voltage falls below a certain value (transfer threshold level), the **DC-DC/UPS starts buffering without any interruption or voltage dips on Vout**. Buffering is guaranteed even if the battery is not fully charged".

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**N.C.S. Computer Group** (since 1975) ISO 9001



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N.C.S. Group - società italiana, fondata nel 1975. Progetta e produce computers e sistemi per applicazioni industriali, militari (non armi), marine ed avioniche.

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N.C.S. Group, was founded in 1975, designs and manufactures computers and systems for Industrial, Military (not weapons), Marine and Avionic automation markets.