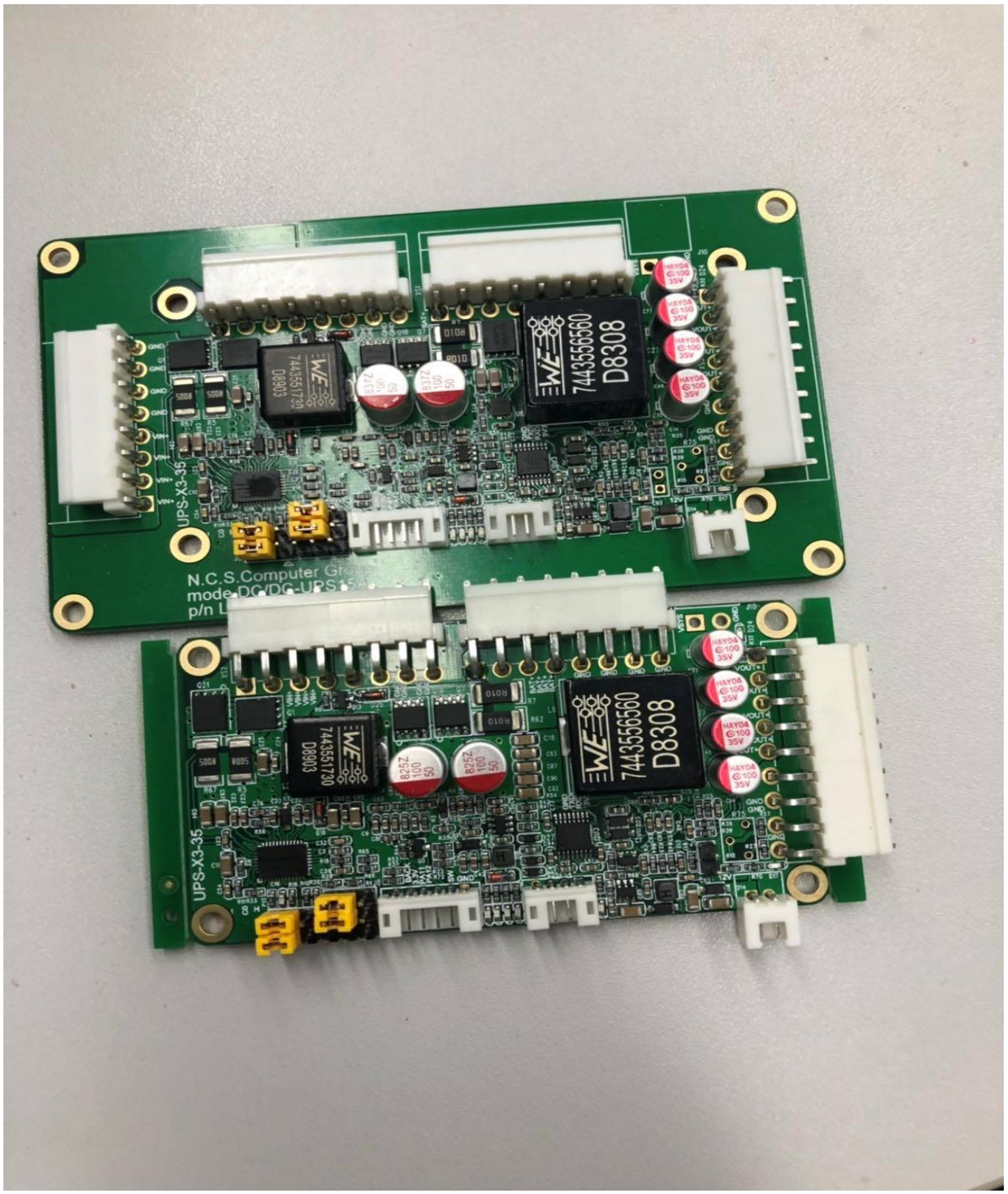
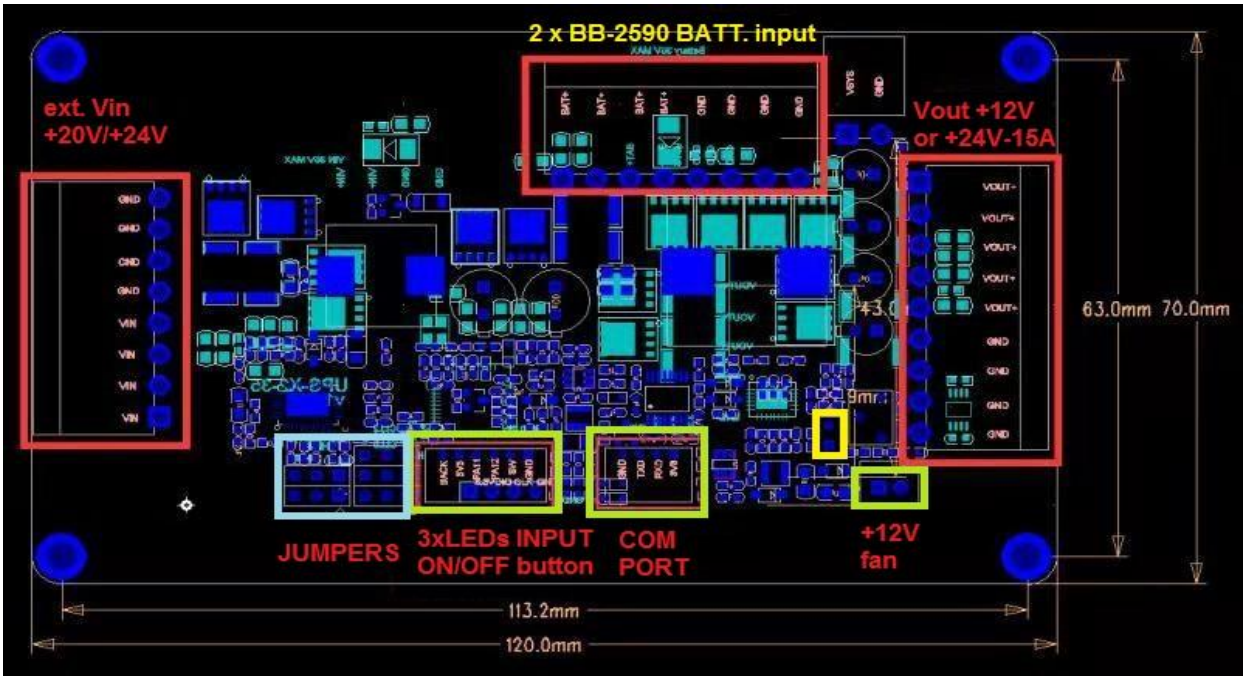
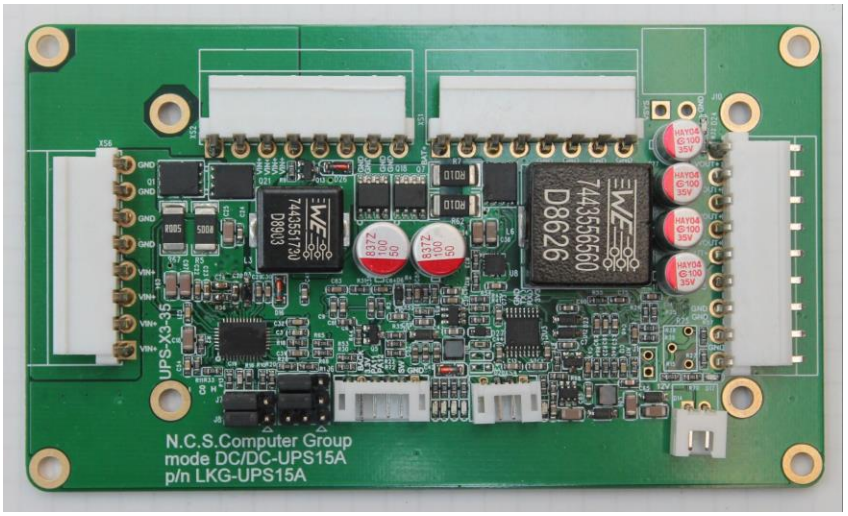
Small 12V/15A DC-DC/UPS board charge/discharge for two BB-2590 military batteries.
This board is for industrial, military and Marine applications.
Available a complete and lightweight system, with two batteries for more then 600Wh, in a IP65 rugged aluminum enclosure with sealed connectors.

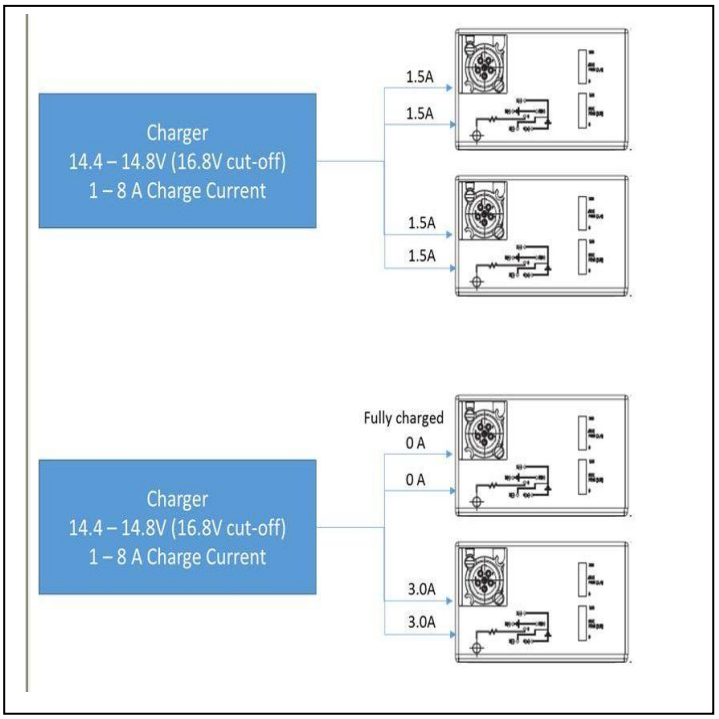


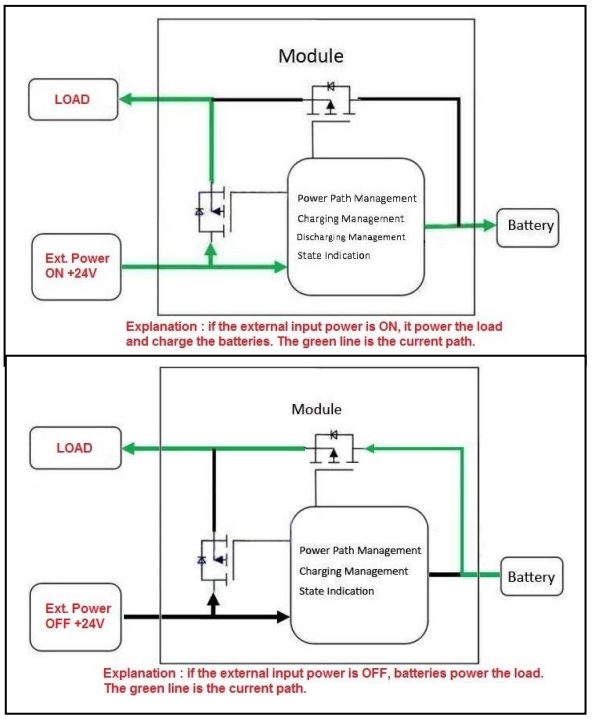
Vout +12 Vdc o +24Vdc /15A - Operating Temperature -40°C to + 85°C
dimensions board : 120 (4,72") x 70mm (2,755")

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.









Industrial and Marine Systems

Features

Model	• *Industrial rugged DC-DC/UPS 15A board*
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 2,755")

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".

N.C.S. Computer Group (since 1975) ISO 9001 — 45 Years

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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.