

Railway product line service offer

BrightLoop Converters
OEM Manufacturer of Railway power supplies

BrightLoop Converters



Customized Converters for Advanced, High-Efficiency, High-Power density Applications in Harsh Environments

Established in 2010, BrightLoop Converters is an industrial company designing and producing power electronics systems

In 2014, BrightLoop Converters has taken over the former activity of Alcatel Converters / Harmer & Simmons / AEG Power Solutions in Lannion



2 Sites of R&D and Industrial Operations



Employees

40

(75 % of engineers and technicians)



Certification and standards

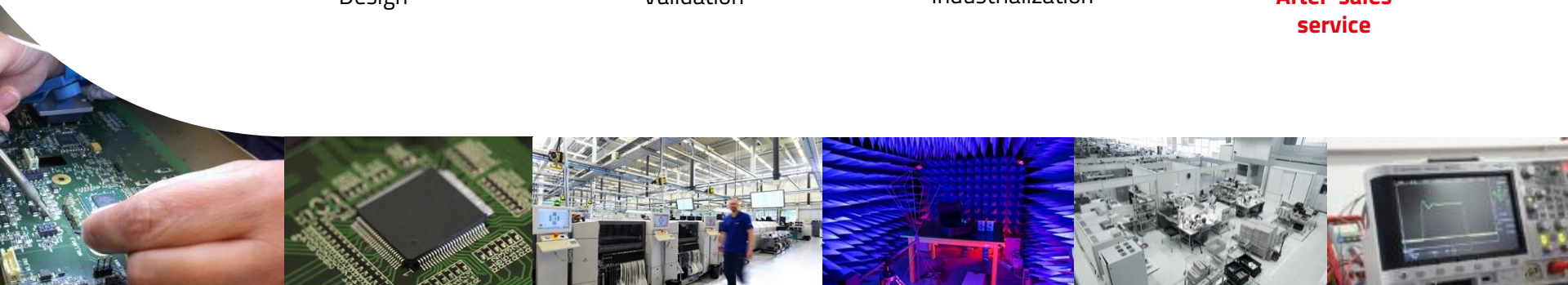
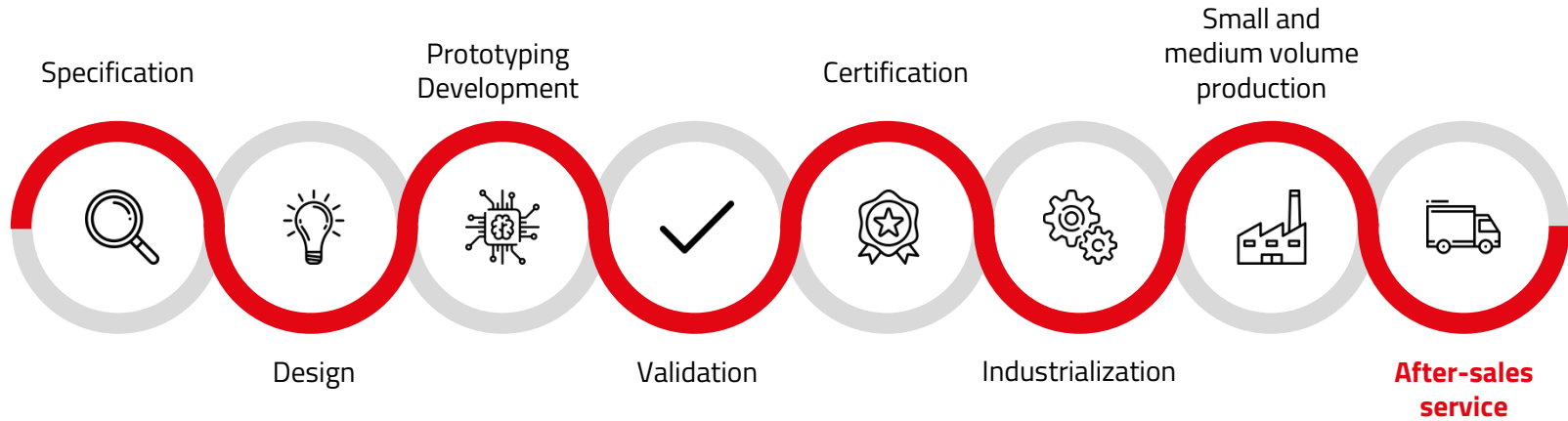
EN60950 and EN60601 (medical)
DO160 (aeronautics)
EN61010 (industrial devices)
EN50155 (railway)
MIL STD et AECTP (defense)

ISO 9001
EN 9100
BUREAU VERITAS
Certification



Product lifecycle

Brightloop Converters innovates in power electronics from design to mass production



Maintenance for Railway Market

The railway power supplies product line is originated from Alcatel Converters portfolio. BrightLoop Converters is committed to offer **after sales services, preventive maintenance, new product manufacturing, or new product development**, to answer all kind of customer requests.

Product repair is provided according to **IPC771 / 21** using the original components, kept in stock on purpose

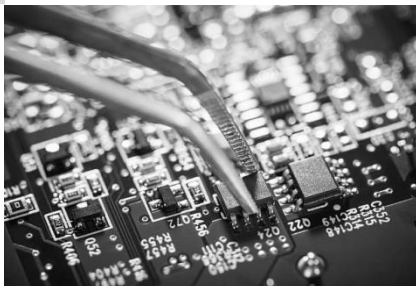
Repaired or overhauled products are **updated to the latest version index before being returned** to customers



All serviced products are re-tested on **the original, same test equipment than the one used for production**



~150
Product
References



BrightLoop Converters is the original designer and manufacturer of its entire catalog

Railway Maintenance Catalog

Railway products catalog





AC457

80-140W DC/DC Power Supply

Input : 48V – 110V dc

Output : +5V , +15V , -15V

Delivred Product References :

AC457AA, AC457AB , AC457BA

Delivred Part Numbers :

3AW00457AAAA03, 3AW00457AAAA04, 3AW00457AAAA05, 3AW00457AAAA06, 3AW00457AAAA07, 3AW00457AAAA08
3AW00457AAAB08, 3AW00457AAAB09, 3AW00457ABAA05, 3AW00457ABAA06, 3AW00457ABAA07, 3AW00457ABAB07
3AW00457ABAB08

Customers Part numbers :

TRVS339043001, TRVS339043002, TRVS339043003, TRVC339043002, AL1X



AC462

80-140W DC/DC Power Supply

Input : 24 / 36 V dc

Output : +5V , +15V , -15V

Delivered Product References :

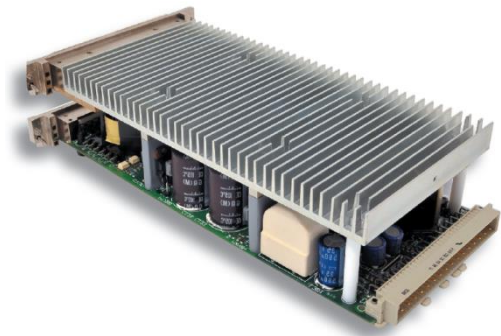
AC462AA

Delivered Part Numbers :

3AW00462AAAA01, 3AW00462AAAA02, 3AW00462AAAA03, 3AW00462AAAA04, 3AW00462AAAA05, 3AW00462AAAA06
3AW00462AAAA07, 3AW00462AAAA08, 3AW00462AAAB03, 3AW00462AAAB04, 3AW00462AAAB05, 3AW00462AAAB06

Customers Part numbers :

TRVS339043001 C , TRVS339043001 E , TRVS339043001 B/F, TRVS339043001 C/F, TRVS339043001 F



AC617

80-140W DC/DC Power Supply

Input : 16.8V – 45V dc

Output : +5V , +15V , -15V, +3.3V

Delivred Product References :

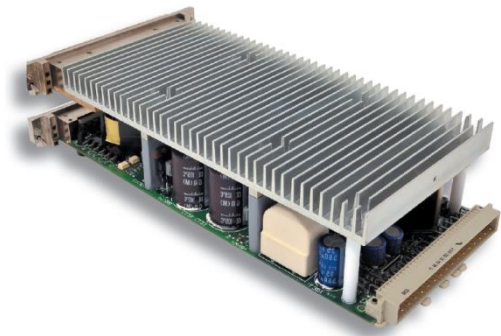
AC617AA

Delivred Part Numbers :

3AW00617AAAA01, 3AW00617AAAA02, 3AW00617AAAA03, 3AW00617AAAA04, 3AW00617AAAA05, 3AW00617AAAA06
3AW00617AAAA07

Customers Part Numbers :

TRVS339276001, TRVS339276001 A, TRVS339276001 B, ALNU 24V



AC618

80-140W DC/DC Power Supply

Input : 33.6V – 137.5V dc

Output : +5V , +15V , -15V, +3.3V

Delivered Product References :

AC618AA, AC618AB

Delivered Part Numbers :

3AW00618AAAA01, 3AW00618AAAA02, 3AW00618AAAB01, 3AW00618AAAA03, 3AW00618AAAB03, 3AW00618AAAA04, 3AW00618AAAA05, 3AW00618ABAB05, 3AW00618ABAD05, 3AW00618ABAD06, 3AW00618ABAD07, 3AW00618ABAD08

Customers Part Numbers :

TRVS339276002 A1, TRVS339276002 A1, TRVS339276002 A1, TRVS339276002 B, TRVS339276002 B, TRVS339276002 B, TRVS339276002 B, TRVS339276002 A, TRVS339276002 C, TRVS339276002 C, TRVS339276002 D, TRVS339276002 E, TRVS339276002 E, TRVS339666002, TRVC339276002, ALNU-35354



AC619

80-140W DC/DC Power Supply

Input : 16.8V – 45V dc

Output : +24V , -24V

Delivred Product References :

AC619AA

Delivred Part Numbers :

3AW00619AAAA01, 3AW00619AAAA02, 3AW00619AAAA03, 3AW00619AAAA04, 3AW00619AAAA05, 3AW00619AAAA06
3AW00619AAAA07

Customers Part Numbers :

TRVS339275001, TRVS339275001 A, TRVS339275001 B, ALCA 24V



AC620

80-140W DC/DC Power Supply

Input : 33.6V – 137.5V dc

Output : +24V , -24V

Delivered Product References :

AC620AA

Delivered Part Numbers :

3AW00620AAAA01, 3AW00620AAAA02, 3AW00620AAAB02, 3AW00620AAAB03, 3AW00620AAAB04, 3AW00620AAAB05
3AW00620AAAC03, 3AW00620AAAC05

Customers Part Numbers :

TRVS339275002, TRVS339275002 A, TRVS339275002 A1, TRVS339275002 A2, TRVS339275002 B, TRVS339275002 C,
TRVS339275002 D, TRVC339275002, ALCA-35352



AC774

DC/DC Power Supply

Input : 77-136V dc

Output : +5V, +12V , +24V



Delivred Product References :

AC774AA, AC774AB

Delivred Part Numbers :

3AW00774AAAA03, 3AW00774AAAA04, 3AW00774AAAA05, 3AW00774AAAA06, 3AW00774AAAA07, 3AW00774AAAB06
3AW00774AAAC05, 3AW00774AAAC06, 3AW00774AAAD06, 3AW00774AAAD07, 3AW00774AAAD08, 3AW00774AABC05
3AW00774AABD08, 3AW00774AABD09, 3AW00774AABD10, 3AW00774AABD11, 3AW00774AABD12, 3AW00774AABD13
3AW00774ABAA05, 3AW00774ABAA06, 3AW00774ABAB06, 3AW00774ABAC06, 3AW00774ABAD06, 3AW00774ABAD07
3AW00774ABAD08, 3AW00774ABBC06, 3AW00774ABBD08, 3AW00774ABBD09, 3AW00774ABBD10, 3AW00774ABBD11
3AW00774ABBD12, 3AW00774ABBC06, 3AW00774ABBC05, 3AW00774ABBD08, 3AW00774ABBD09, 3AW00774ABBD10
3AW00774ABBD11, 3AW00774ABBD12

Customers Part Numbers :

TRVC070817000, TRVC070817000 A, TRVC070817000 B, TRVC070817000 C, TRVC070817000 D, TRVC070848000 A,
TRVC070848000 B, TRVC070848000 C, TRVC070848000 D, TRVS339327010, TRVS339327011, ALM-1436, TRK6650028000



AC775

DC/DC Power Supply

Input : 77-136V dc

Output : +5V, +5V, +12V , -12V

Delivred Product References :

AC775AA, AC775AB

Delivred Part Numbers :

3AW00775AAAA07, 3AW00775AAAA08, 3AW00775AAAB08, 3AW00775AAAC08, 3AW00775AAAD08, 3AW00775AAAE08
3AW00775AAAF08, 3AW00775AAAE09, 3AW00775AAAF09, 3AW00775AAAE10, 3AW00775AAAF10, 3AW00775AABE10
3AW00775AABF10, 3AW00775AABF11, 3AW00775AABD05, 3AW00775AABD06, 3AW00775AABF12, 3AW00775AABF13
3AW00775AABF14, 3AW00775ABB08, 3AW00775ABBF10, 3AW00775ABBF11, 3AW00775ABBF12, 3AW00775ABBF13

Customers Part Numbers :

TRVC070818000, TRVC070818000 A, TRVC070818000 A, TRVC070818000 A, TRVC070818000 A, TRVC070818000 A,
TRVC070818000 A, TRVS339328010, TRVS339328011, 10-5238 109, 5172088 F G H I J K, 93-4-6 02 5673, ALV-1437,
TRK6650027000



AS1276

400W AC/DC Power Supply

Input : 230Vrms and 290Vdc

Output : 48Vdc – 56Vdc

Delivred Product References :

AS1276AA

Delivred Part Numbers :

3AW01276AAAA01, 3AW01276AAAA02, 3AW01276AAAB02, 3AW01276AAAB03, 3AW01276AAAA04

Customers Part Numbers :

DTR0000288741 A, DTR0000288741 B, DTR0000288741 C, DTR0000288741 C, DTR0000288741 D



AI1297

255W AC/AC Inverter

Input : 230Vrms and 290Vdc

Output : 50- 156Vrms

Delivred Product References :

AI1297AA

Delivred Part Numbers :

3AW01297AAAA01, 3AW01297AAAA02

Customers Part Numbers :

DTR0000289109 A, DTR0000289109 B



AS1314

200W AC/DC Power Supply

Input : 230Vrms and 290Vdc

Output : 24Vdc – 28Vdc

Delivred Product References :

AS1314AA

Delivred Part Numbers :

3AW01314AAAA01, 3AW01314AAAA02, 3AW01314AAAB02, 3AW01314AAAB03

Customers Part Numbers :

DTR0000289099 A, DTR0000289099 B



AS1315

200W AC/DC Power Supply

Input : 230Vrms and 290Vdc

Output : 144Vdc – 154Vdc

Delivred Product References :

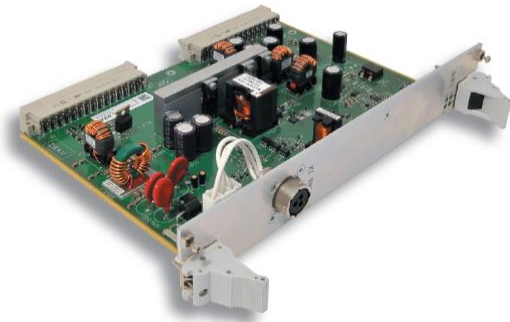
AS1315AA

Delivred Part Numbers :

3AW01315AAAA01, 3AW01315AAAB01, 3AW01315AAAB02, 3AW01315AAAA03

Customers Part Numbers :

DTR0000289101 A, DTR0000289101 B, DTR0000289101 C



AC1321

120W DC/DC Power Supply

Input : 110V (77V – 136V)

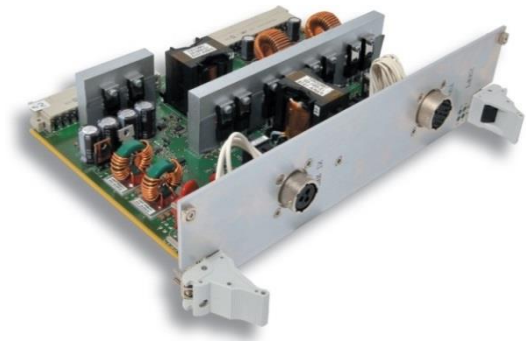
Output : +5V , +15V, -15V

Delivred Product References :

AC1321AA

Delivred Part Numbers :

3AW01321AA



AC1322

360W DC/DC Power Supply

Input : 110V (77V – 136V)

Output : +24V, +24V, -24V

Delivred Product References :

AC1322AA

Delivred Part Numbers :

3AW01322AA



AC1417

DC/DC Power Supply

Input : 8V / 12V / 24V

Output : +24Vdc , +24Vdc

Delivred Product References :

AC1417AB, AC1417AA

Delivred Part Numbers :

3AW01417AAAA01, 3AW01417ABAA01

Customers Part Numbers :

DTR0000427629, DTR0000448013, MIPS8_24, MIPS8-24, 7 954 5916



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