XP Power | AVNET ABACUS

DC-DC Converters Selector Guide

PCB Mount

0.25W to 1W

IK
- 0.25 Watt
- ±10% Input
- Unregulated
- SIP4 & DIP8 Packages
- 1kV Isolation, 3kV Option

IE
- ±10% Input
- Unregulated
- SIP4 & DIP8 Packages
- 1kV Isolation, 3kV Option
- Single Outputs

☆ **SCT01**
- ±10 Input
- Unregulated
- SIP4 Package
- 1kV Isolation, 2kV Option
- Single Outputs

IA/ITA
- ±10% Input
- Unregulated SIP7
- High Operating Temperature
- 1kV & 1.5kV Isolation
- Dual Outputs

☆ **SDT01**
- ±10 Input
- Unregulated
- SIP7 Package
- 1.5kVDC Isolation
- Single & Dual Outputs

Ⓜ **IHA01**
- ±10% Input
- Unregulated
- SIP7 Package
- 6kV Isolation
- Single & Dual Outputs

ITV/IV
- ±10% Input
- Unregulated
- SIP7 & DIP14 Packages
- Up to 6kV Isolation
- Single & Dual Outputs

IF
- ±10% Input
- Regulated
- SIP7 & DIP14 Package
- 1kV Isolation
- 3kV Isolation Option

ITW/IW
- 2:1 Input
- Regulated
- SIP & DIP Package
- Up to 3kV Isolation
- Single & Dual Outputs

2W

IL
- ±10% Input
- Unregulated
- SIP4 Package
- 1kV Isolation
- 3kV Isolation Option

Ⓜ **IHL02**
- ±10% Input
- Unregulated
- SIP7 Package
- 5.2kV Isolation
- Single & Dual Outputs

IH
- ±10% Input
- Unregulated
- SIP7 & DIP14 Package
- Up to 6kV Isolation
- Dual Outputs

IU
- 2:1 Input
- Regulated
- SIP8 & DIP16 Package
- 1kV Isolation, 3kV Option
- Single & Dual Outputs

IEU02
- 2:1 Input
- Regulated
- DIP8 Package
- 1.5kV Isolation
- Single & Dual Outputs

JCA02
- 2:1 Input
- Regulated
- 25.4 x 20.3mm DIP24
- 1.5kV Basic Isolation
- Single & Dual Outputs

IM
- 4:1 Input
- Regulated
- SIP9 Package
- 1.5kV Isolation
- Single & Dual Outputs

3W

ITR03
- ±10% Input
- Unregulated
- SIP4 Package
- 3kV Isolation
- 85°C Operating Temp

IR
- ±10% Input
- Semi-regulated
- SIP7 Package
- 1kV Isolation, 3kV Option
- Single & Dual Outputs

IZ
- 2:1 Input
- Regulated
- SIP8 Package
- 1.6kV Isolation, 3kV Option
- Single & Dual Outputs

JCA03
- 2:1 Input
- Regulated
- 25.4 x 20.3mm DIP24
- 1.5kV Basic Isolation
- Single & Dual Outputs

JCE03
- 2:1 Input
- Regulated
- DIP24 Package
- 1.5kV Isolation, 3kV Option
- Single & Dual Outputs

☆ **SFT03**
- 2:1 & 4:1 Input
- Regulated
- SIP8 Package
- 2kVDC Isolation
- Single & Dual Outputs

ITP03
- 4:1 Input
- Regulated
- SIP6 Package
- 1.6kV Isolation
- Single & Dual Outputs

ITU03
- 4:1 Input
- Regulated
- DIP8 Package
- 1.6kV Isolation
- Single & Dual Outputs

JTE03
- 4:1 Input
- Regulated
- DIP24 Package
- 1.5kV Isolation, 3kV Option
- Single & Dual Outputs

4W to 5W

JCA04
- 2:1 Input
- 25.4 x 20.3mm DIP24
- 1.5kV Basic Isolation
- ITE Safety Approvals
- Single & Dual Outputs

JCD04
- 2:1 Input
- DIP24 Package
- 1.6kV Isolation, 3.5kV Option
- ITE Safety Approvals
- Single & Dual Outputs

JTC04
- 4:1 Input
- DIP24 Package
- 1.5kV Isolation, 3.5kV Option
- Short Circuit Protection
- Single & Dual Outputs

IEQ05
- 4:1 Input
- SIP8 Package
- 1.5kV Isolation
- Remote On/Off
- Single & Dual Outputs

JCD05
- 2:1 Input
- DIP24 Package
- 1.6kV Isolation, 3.5kV Option
- ITE Safety Approvals
- Single & Dual Outputs

6W

ITX
- 2:1 Input
- SIP8 Package
- 1.5kV Isolation, 3kV Option
- ITE Safety Approvals
- Single & Dual Outputs

JCA06
- 2:1 Input
- 25.4 x 20.3mm DIP24
- 1.5kV Basic Isolation
- ITE Safety Approvals
- Single & Dual Outputs

JCE06
- 2:1 Input
- DIP24 Package
- 1.5kV Isolation, 3kV Option
- ITE Safety Approvals
- Single & Dual Outputs

JCD06
- 2:1 Input
- DIP24 Package
- 1.6kV Isolation, 3.5kV Option
- ITE Safety Approvals
- Single & Dual Outputs

ITQ
- 4:1 Input
- SIP8 Package
- 1.5kV Isolation, 3kV Option
- ITE Safety Approvals
- Single & Dual Outputs

JWE06
- 4:1 Input
- DIP16 Package
- 1.5kV Isolation
- ITE Safety Approvals
- Single & Dual Outputs

JTE06
- 4:1 Input
- DIP24 Package
- 1.5kV Isolation, 3kV Option
- ITE Safety Approvals
- Single & Dual Outputs

8W to 9W

JSE08
- 2:1 Input
- DIP16 Package
- 1.5kV Isolation
- ITE Safety Approvals
- Single & Dual Outputs

JCJ08
- 2:1 Input
- DIP24 Package
- 1.5kV Isolation
- ITE Safety Approvals
- Single & Dual Outputs

JWE08
- 4:1 Input
- DIP16 Package
- 1.5kV Isolation
- ITE Safety Approvals
- Single & Dual Outputs

JTF08
- 4:1 Input
- DIP24 Package
- 1.6kV Isolation
- Remote On/Off
- Single & Dual Outputs

ICZ09
- 2:1 Input
- SIP8 Package
- 1.6kV Isolation
- Remote On/Off
- Single & Dual Outputs

ITZ
- 4:1 Input
- SIP8 Package
- 1.6kV Isolation
- Remote On/Off
- Single & Dual Outputs

10W to 12W

JCA10
- 2:1 Input
- 25.4 x 20.3mm DIP24
- 1.5kV Basic Isolation
- UL & TUV Approved
- Single & Dual Outputs

JSM10
- 2:1 Input
- 25.4 x 25.4mm Package
- 1.5kV Isolation
- Heatsink Option
- Single & Dual Outputs

JCJ10
- 2:1 Input
- DIP24 Package
- 1.5kV Isolation
- Short Circuit Protection
- Single & Dual Outputs

JTR10
- 4:1 Input
- DIP16 Package
- 1.5kV Isolation
- ITE Safety Approvals
- Single & Dual Outputs

JWK10
- 4:1 Input
- 25.4 x 25.4mm Package
- 1.5kV Isolation
- Heatsink Option
- Single & Dual Outputs

JTF10/12
- 4:1 Input
- DIP24 Package
- 1.6kV Isolation
- Remote On/Off
- Single & Dual Outputs

JCG12
- 2:1 Input
- DIP24 Package
- 1.6kV Isolation
- Remote On/Off
- Single & Dual Outputs

15W

JCM15
- 2:1 Input
- 25.4 x 25.4mm Package
- 1.6kV Isolation
- Remote On/Off
- Single & Dual Outputs

JCG15
- 2:1 Input
- DIP24 Package
- 1.6kV Isolation
- Remote On/Off
- Single & Dual Outputs

JCK15
- 2:1 Input
- 50.8 x 25.4mm Package
- 1.6kV Isolation, 3.5kV Option
- Short Circuit Protection
- Single & Dual Outputs

JTK15
- 4:1 Input
- 25.4 x 25.4mm Package
- 1.6kV Isolation
- Remote On/Off
- Single & Dual Outputs

JTF15
- 4:1 Input
- DIP24 Package
- 1.6kV Isolation
- Remote On/Off
- Single & Dual Outputs

JTD15
- 4:1 Input
- 40.6 x 25.4mm Package
- 3kV Isolation
- Remote On/Off
- Single & Dual Outputs

20W to 25W

JCM20
- 2:1 Input
- 25.4 x 25.4mm Package
- 1.6kV Isolation
- Remote On/Off
- Single & Dual Outputs

JCK20
- 2:1 Input
- 50.8 x 25.4mm Package
- 1.6kV Isolation
- Remote On/Off
- Single & Dual Outputs

JTK20
- 4:1 Input
- 25.4 x 25.4mm Package
- 1.6kV Isolation
- Remote On/Off
- Single & Dual Outputs

JTD20
- 4:1 Input
- 40.6 x 25.4mm Package
- 3kV Isolation
- Remote On/Off
- Single & Dual Outputs

JSM25
- 2:1 Input
- 25.4 x 25.4mm Package
- 1.5kV Isolation
- Heatsink Option
- Single & Dual Outputs

JWK25
- 4:1 Input
- 25.4 x 25.4mm Package
- 1.5kV Isolation
- Heatsink Option
- Single & Dual Outputs

30W

JCM30
- 2:1 Input
- 25.4 x 25.4mm Package
- 1.6kV Isolation
- Remote On/Off
- Single & Dual Outputs

JCK30
- 2:1 Input
- 50.8 x 25.4mm Package
- 1.6kV Isolation
- Remote On/Off
- Single & Dual Outputs

JTK30
- 4:1 Input
- 25.4 x 25.4mm Package
- 1.6kV Isolation
- Remote On/Off
- Single & Dual Outputs

JTL30
- 4:1 Input
- 50.8 x 25.4mm Package
- 1.6kV Isolation
- Remote On/Off
- Single, Dual & Triple O/P

40W to 60W

JCK40
- 2:1 Input
- 50.8 x 25.4mm Package
- 1.6kV Isolation
- Remote On/Off
- Single & Dual Outputs

☆ **BCT40**
- 4:1 Input
- 25.4 x 25.4mm Package
- 2kV Isolation
- Remote On/Off
- Single & Dual Outputs

JWL40
- 4:1 Input
- 50.8 x 25.4mm Package
- 1.5kV Isolation
- Heatsink Option
- Single & Dual Outputs

JTL40
- 4:1 Input
- 50.8 x 50.8mm Package
- 1.6kV Isolation
- Remote On/Off
- Single & Dual Outputs

JCK50
- 2:1 Input
- 50.8 x 25.4mm Package
- 1.6kV Isolation
- Heatsink Option
- Remote On/Off

JWL50
- 4:1 Input
- 50.8 x 25.4mm Package
- 1.5kV Isolation
- Heatsink Option
- Remote On/Off

JCK60
- 2:1 Input
- 50.8 x 50.8mm Package
- 1.6kV Isolation
- Short Circuit Protection
- Remote On/Off

JTL60
- 4:1 Input
- 50.8 x 25.4mm Package
- 1.6kV Isolation
- Remote On/Off
- Single & Dual Outputs

75W to 750W

QSB75-350
- 2:1 & 4:1 Input
- ¼ & ⅛ Brick Packages
- 1.5kV Isolation
- Remote On/Off
- Remote Sense

QSC150
- 4:1 Input
- ¼ Brick Package
- 2.25kV Isolation
- Remote On/Off
- Remote Sense

QSB400
- 4:1 Input
- Full Brick Package
- 1.5kV Isolation
- Remote On/Off
- Remote Sense

QSB600
- 2:1 Input
- Full Brick Package
- 1.5kV Isolation
- Remote On/Off
- Remote Sense

QHL75
- 180 - 450VDC Input
- ¼ Brick Package
- 3kVAC Isolation
- Remote On/Off
- Remote Sense

QHL150/300
- 180 - 425VDC Input
- ¼ & ⅛ Brick Packages
- 3kVAC Isolation
- Remote On/Off
- Remote Sense

QHL600
- 180 - 425VDC Input
- Full Brick Package
- 3kVAC Isolation
- Remote On/Off
- Current Share

QHL750
- 200 - 425VDC Input
- Full Brick Package
- 3kVAC Isolation
- Remote On/Off
- Current Share

☆ Recently introduced Ⓜ MOSFET & IGBT applications

For full specifications visit: **www.xppower.com**

2025

DC-DC Converters Selector Guide

SMD

1W

PBT01
- ±10% Input
- Unregulated
- SMD8/10 DIP Package
- 1kV Isolation, 2kV, 3kV Options
- Single & Dual Outputs

ISM01
- ±10% Input
- Unregulated
- SMD14 Package
- 4kVAC Isolation
- 2 x MOPP at 250VAC

ISB01
- 2:1 Input
- Regulated
- SMD14 Package
- 1.5kV Isolation
- Single & Dual Outputs

2W to 6W

PBT02
- ±10% Input
- Unregulated
- SMD8/10 DIP Package
- 1kV Isolation, 3kV Option
- Single & Dual Outputs

ISM02
- ±10% Input
- Unregulated
- SMD16 Package
- 4kVAC Isolation
- 1 x MOPP at 300VAC

ISU02
- 4:1 Input
- Regulated
- SMD14 Package
- 1.5kV Isolation
- Single & Dual Outputs

ISU03
- 4:1 Input
- Regulated
- SMD14 Package
- 1.5kV Isolation
- Single & Dual Outputs

ISC03
- 4:1 Input
- Regulated
- SMD16 Package
- 1.5kV Isolation
- Single & Dual Outputs

ISX06
- 4:1 Input
- Regulated
- SMD16 Package
- 1.5kV Isolation
- Single & Dual Outputs

Medical

1W to 2W

ISM01
- ±10% Input
- Unregulated
- SMD14 Package
- 4kVAC Isolation
- 2 x MOPP at 250VAC

IMA01
- ±10% Input
- Unregulated
- SIP7 Package
- 4kVAC Isolation
- 1 x MOPP at 250VAC

IMB01
- ±10% Input
- Unregulated
- SIP7 Package
- 4kVAC Isolation
- 2 x MOPP at 300VAC

IMM01
- 2:1 Input
- Regulated
- SIP7 Package
- 1.5kVAC Isolation
- 1 x MOPP at 250VAC

ISM02
- ±10% Input
- Unregulated
- SMD16 Package
- 4kVAC Isolation
- 1 x MOPP at 300VAC

IML02
- ±10% Input
- Unregulated
- SIP7 Package
- 4kVAC Isolation
- 1 x MOPP at 300VAC

IMM02
- 2:1 Input
- Regulated
- SIP8 Package
- 1.5kVAC Isolation
- 1 x MOPP at 250VAC

3W to 6W

JHL03
- 10 - 17VDC Input
- 20 - 30VDC Input
- DIP24 Package
- 4kVAC Isolation
- 2 x MOPP at 250VAC

JMR03
- 4:1 Input Range
- Regulated
- DIP16 Package
- 5kVAC Isolation
- 2 x MOPP at 250VAC

IMM05
- 2:1 Input
- Regulated
- SIP9 Package
- 1.5kVAC Isolation
- 1 x MOPP at 250VAC

JHL06
- 10 - 17VDC Input
- 20 - 30VDC Input
- DIP24 Package
- 4kVAC Isolation
- 2 x MOPP at 250VAC

JHM06
- 2:1 Input
- Regulated
- DIP24 Package
- 4kVAC Isolation
- 2 x MOPP at 250VAC

10W to 30W

JHM10
- 2:1 Input
- Regulated
- DIP24 Package
- 4kVAC Isolation
- 2 x MOPP at 250VAC

JMR10
- 4:1 Input
- Regulated
- DIP24 Package
- 5kVAC Isolation
- 2 x MOPP at 250VAC

JHM15
- 2:1 Input
- Regulated
- 40.6 x 25.4mm Package
- 4kVAC Isolation
- 2 x MOPP at 250VAC

JHM20
- 2:1 Input
- Regulated
- 50.8 x 25.4mm Package
- 4kVAC Isolation
- 2 x MOPP at 250VAC

JMR20
- 4:1 Input
- Regulated
- 40.6 x 25.4 x 10.2mm
- 5kVAC Isolation
- 2 x MOPP at 250VAC

JHM30
- 2:1 Input
- Regulated
- 50.8 x 25.4 x 10.2mm
- 4kVAC Isolation
- 2 x MOPP at 250VAC

Non-Isolated Switching Regulators

0.5 Amps

STH05
- 0.5A Regulator
- Input Range up to 72VDC
- Low Profile
- SMD10 Package
- ±10% Output Trim

RBT05
- 0.5A Regulator
- Input Range up to 36VDC
- SIP3 package
- 78 Series pin compatible
- Short Circuit Protection

SRH05
- 0.5A Regulator
- Input Range up to 72VDC
- SIP3 package
- 78 Series pin compatible
- Short Circuit Protection

1 to 2 Amps

STS10
- 1.0A Regulator
- Input Range up to 36VDC
- Low Profile
- SMD10 Package
- ±10% Output Trim

RBT10
- 1.0A Regulator
- Input Range up to 36VDC
- SIP3 package
- 78 Series pin compatible
- Short Circuit Protection

RBT20
- 2.0A Regulator
- Input Range up to 36VDC
- SIP3 package
- 78 Series pin compatible
- Short Circuit Protection

Chassis/DIN Rail Mount

6W to 20W

DTE06
- 4:1 Input
- DIN Rail Option
- 3kVDC Isolation
- Remote On/Off
- Single & Dual Outputs

DTE10
- 4:1 Input
- DIN Rail Option
- 3kVDC Isolation
- Remote On/Off
- Single & Dual Outputs

DTJ15
- 4:1 Input
- 3kVDC Isolation
- ITE Safety Approvals
- ±10% Output Trim
- Single & Dual Outputs

DDC15
- 4:1 Input
- Low Profile Design
- 1.5kVDC Isolation
- ITE Safety Approvals
- UL508 Approved

DTJ20
- 4:1 Input
- 3kVDC Isolation
- ITE Safety Approvals
- ±10% Output Trim
- Single & Dual Outputs

DTE20
- 4:1 Input
- DIN Rail Option
- 2.5kVDC Isolation
- Remote On/Off
- ITE Safety Approvals

30W to 60W

DDC30
- 4:1 Input
- Low Profile Design
- 1.5kVDC Isolation
- ITE Safety Approvals
- UL508 Approved

DDC40
- 3:1 Input
- Low Profile Design
- 1.5kVDC Isolation
- ITE Safety Approvals
- UL508 Approved

DTE40
- 4:1 Input
- DIN Rail Option
- 2.5kVDC Isolation
- Remote On/Off
- ITE Safety Approvals

DTE60
- 4:1 Input
- DIN Rail Option
- 2.5kVDC Isolation
- Remote On/Off
- ITE Safety Approvals

Railway & Renewable Energy

3W to 50W

RDE03
- 4:1, 9 - 36VDC Input
- 4:1, 18 - 75VDC Input
- 4:1, 40 - 160VDC Input
- EN50155 Compliant
- Single & Dual Outputs

RDD08
- 5:1, 13 - 70VDC Input
- 4:1, 42 - 176VDC Input
- DIP24 Package
- EN50155 Compliant
- Single & Dual Outputs

RDE20
- 5:1, 13 - 70VDC Input
- 4:1, 42 - 176VDC Input
- 25.4 x 25.4mm Package
- EN50155 Compliant
- Single & Dual Outputs

RDF25
- 10:1, 16 - 160VDC
- 50.8 x 25.4mm Package
- 3kVDC Isolation
- EN50155 Compliant
- Remote On/Off

RDF50
- 12:1, 14 - 160VDC Input
- ¼ Brick Package
- 3kVDC Isolation
- EN50155 Compliant
- Baseplate-cooled

75W to 600W

RCQ75
- 2:1, 43 - 101VDC Input
- 3:1, 66 - 160VDC Input
- ¼ Brick Package
- EN50155 Compliant
- Remote On/Off

RDE75
- 8:1, 9 - 75VDC Input
- ¼ Brick Package
- EN50155 Compliant
- Remote On/Off
- Remote Sense

RDF150
- 12:1, 14 - 160VDC
- ½ Brick Package
- 3kVAC Isolation
- EN50155 Compliant
- Remote On/Off

RDQ150
- 3:1, 66 - 160VDC Input
- ½ Brick Package
- EN50155 Compliant
- Remote On/Off
- Remote Sense

QSC150
- 4:1, 9 - 36VDC Input
- 4:1, 18 - 75VDC Input
- 4:1, 43 - 160VDC Input
- ¼ Brick Package
- EN50155 Compliant

RDF200
- 12:1, 16 - 160VDC
- ½ Brick Package
- 3kVAC Isolation
- EN50155 Compliant
- Remote On/Off

RDH300/600
- 4:1, 43 - 160VDC Input
- ½ & Full Brick Packages
- EN50155 Compliant
- Remote On/Off
- Remote Sense

Recently introduced | Medical version available

For full specifications visit: **www.xppower.com**

2025