



DC-DC CONVERTERS SELECTOR GUIDE

0.25W to 1W	2W	3W	4W to 5W	6W	8W to 9W	10W to 12W	15W	20W to 25W	30W	40W to 60W	BASEPLATE COOLED
IK  • 0.25 Watt • ±10% Input • Unregulated • SIP4 & DIP8 Packages • 1kV Isolation, 3kV Option	IL  • ±10% Input • Unregulated • SIP4 Package • 1kV Isolation • 3kV Isolation Option	ITR03  • ±10% Input • Unregulated • SIP4 Package • 3kV Isolation • 85°C Operating Temp	JCA04  • 2:1 Input • 1" x 0.8" DIP24 Package • 1.5kV Basic Isolation • ITE Safety Approvals • Single & Dual Outputs	ITX  • 2:1 Input • SIP8 Package • 1.5kV Isolation, 3kV Option • ITE Safety Approvals • Single & Dual Outputs	JSE08  • 2:1 Input • DIP16 Package • 1.5kV Isolation • ITE Safety Approvals • Single & Dual Outputs	JTR10  • 4:1 Input • DIP16 Package • 1.5kV Isolation • ITE Safety Approvals • Single & Dual Outputs	JCM15  • 2:1 Input • 1" x 1" Package • 1.6kV Isolation • Remote On/Off • Single & Dual Outputs	JCM20  • 2:1 Input • 1" x 1" Package • 1.6kV Isolation • Remote On/Off • Single & Dual Outputs	JCM30  • 2:1 Input • 1" x 1" Package • 1.6kV Isolation • Remote On/Off • Single & Dual Outputs	JCK40  • 2:1 Input • 2" x 1" Package • 1.6kV Isolation • Remote On/Off • Single & Dual Outputs	QSB75-350  • 2:1 & 4:1 Input • ¼ & ½ Brick Packages • 1.6kV Isolation • 1.5kV Isolation • Remote On/Off • Remote Sense
IA/IB/IE  • ±10% Input • Unregulated • SIP4/7 & DIP14 Packages • 1kV Isolation, 3kV Option • Single & Dual Outputs	IHL02  • ±10% Input • Unregulated • SIP4 Package • 5.2kV Isolation • Single & Dual Outputs	IR  • ±10% Input • Semi-regulated • SIP7 Package • 1kV Isolation, 3kV Option • Single & Dual Outputs	JCD04  • 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	JWE08  • 4:1 Input • DIP16 Package • 1.5kV Isolation • ITE Safety Approvals • Single & Dual Outputs	JCA10  • 2:1 Input • 1" x 0.8" DIP24 Package • 1.5kV Basic Isolation • UL & TUV Approved • Single & Dual Outputs	JTK15  • 4:1 Input • 1" x 1" Package • 1.6kV Isolation • Remote On/Off • Single & Dual Outputs	JTK20  • 4:1 Input • 1" x 1" Package • 1.6kV Isolation • Remote On/Off • Single & Dual Outputs	JTK30  • 4:1 Input • 1" x 1" Package • 1.6kV Isolation • Remote On/Off • Single & Dual Outputs	JWL40  • 4:1 Input • 2" x 1" Package • 1.5kV Isolation • Heatsink Option • Single & Dual Outputs	QSC150  • 4:1 Input • ¼ Brick Package • 1.5kV Isolation • Remote On/Off • Remote Sense
ITA/ITB  • ±10% Input • Unregulated • SIP7 Package • 1.5kV Isolation • Single & Dual Outputs	IH  • ±10% Input • Unregulated • SIP7 & DIP14 Package • Up to 6kV Isolation • Dual Outputs	IZ  • 2:1 Input • Regulated • SIP8 Package • 1.6kV Isolation • Single & Dual Outputs	JTC04  • 4:1 Input • DIP24 Package • 1.5kV Isolation, 3.5kV Option • Short Circuit Protection • Single & Dual Outputs	JCD06  • 2:1 Input • DIP24 Package • 1.6kV Isolation, 3.5kV Option • ITE Safety Approvals • Single & Dual Outputs	JCJ08  • 2:1 Input • DIP24 Package • 1.5kV Isolation • ITE Safety Approvals • Single & Dual Outputs	JSM10  • 2:1 Input • 1" x 1" Package • 1.5kV Isolation • Heatsink Option • Single & Dual Outputs	JCG15  • 2:1 Input • DIP24 Package • 1.6kV Isolation • Remote On/Off • Single & Dual Outputs	JTD20  • 4:1 Input • 1.6" x 1" Package • 3kV Isolation • Remote On/Off • Single & Dual Outputs	JCK30  • 2:1 Input • 2" x 1" Package • 1.6kV Isolation • Remote On/Off • Single & Dual Outputs	JTL40  • 4:1 Input • 2" x 2" Package • 1.6kV Isolation • Remote On/Off • Single & Dual Outputs	QSB400  • 4:1 Input • Full Brick Package • 1.5kV Isolation • Remote On/Off • Remote Sense
ITV/IV  • ±10% Input • Unregulated • SIP7 & DIP14 Packages • Up to 6kV Isolation • Single & Dual Outputs	IU  • 2:1 Input • Regulated • SIP8 & DIP16 Package • 1kV Isolation, 3kV Option • Single & Dual Outputs	JCE03  • 2:1 Input • Regulated • DIP24 Package • 1.5kV Isolation, 3kV Option • Single & Dual Outputs	IEQ05  • 4:1 Input • SIP8 Package • 1.5kV Isolation • Remote On/Off • Single & Dual Outputs	JWE06  • 4:1 Input • DIP16 Package • 1.5kV Isolation • ITE Safety Approvals • Single & Dual Outputs	JTF08  • 4:1 Input • DIP24 Package • 1.5kV Isolation • Remote On/Off • Single & Dual Outputs	JWK10  • 4:1 Input • 1" x 1" Package • 1.5kV Isolation • Heatsink Option • Single & Dual Outputs	JTF15  • 4:1 Input • DIP24 Package • 1.6kV Isolation • Remote On/Off • Single & Dual Outputs	JCK20  • 2:1 Input • 2" x 1" Package • 1.6kV Isolation • Remote On/Off • Single & Dual Outputs	JTL30  • 4:1 Input • 2" x 1" Package • 1.6kV Isolation • Remote On/Off • Single, Dual & Triple O/P	JCK50  • 2:1 Input • 2" x 1" Package • 1.6kV Isolation • Heatsink Option • Remote On/Off	QSB600  • 2:1 Input • Full Brick Package • 1.5kV Isolation • Remote On/Off • Remote Sense
IHA01  • ±10% Input • Unregulated • SIP7 Package • 6kV Isolation • Single & Dual Outputs	IM  • 4:1 Input • Regulated • SIP9 Package • 1.5kV Isolation • Single & Dual Outputs	JTE03  • 4:1 Input • Regulated • DIP24 Package • 1.5kV Isolation, 3kV Option • Single & Dual Outputs	JCD05  • 2:1 Input • DIP24 Package • 1.6kV Isolation, 3.5kV Option • ITE Safety Approvals • Single & Dual Outputs	JCA06  • 2:1 Input • 1" x 0.8" DIP24 Package • 1.5kV Basic Isolation • ITE Safety Approvals • Single & Dual Outputs	ICZ09  • 2:1 Input • SIP8 Package • 1.5kV Isolation • Remote On/Off • Single & Dual Outputs	JCJ10  • 2:1 Input • DIP24 Package • 1.5kV Isolation • Short Circuit Protection • Single & Dual Outputs	JTD15  • 4:1 Input • 1.6" x 1" Package • 3kV Isolation • Remote On/Off • Single & Dual Outputs	JSM25  • 2:1 Input • 1" x 1" Package • 1.5kV Isolation • Heatsink Option • Single & Dual Outputs		JWL50  • 4:1 Input • 2" x 1" Package • 1.5kV Isolation • Heatsink Option • Remote On/Off	QHL75  • 180 - 450VDC Input • ¼ Brick Package • 1.5kV Isolation • Remote On/Off • Remote Sense
IQ  • ±10% Input • Semi-regulated • SIP7 Package • 1kV Isolation, 3kV Option • Single & Dual Outputs	IEU02  • 2:1 Input • Regulated • DIP8 Package • 1.5kV Isolation • Single & Dual Outputs	ITU03  • 4:1 Input • Regulated • DIP8 Package • 1.5kV Isolation • Single & Dual Outputs		JCE06  • 2:1 Input • DIP24 Package • 1.5kV Isolation, 3kV Option • ITE Safety Approvals • Single & Dual Outputs	ITZ  • 4:1 Input • SIP8 Package • 1.6kV Isolation • Remote On/Off • Single & Dual Outputs	JTF10/12  • 4:1 Input • DIP24 Package • 1.6kV Isolation • Remote On/Off • Single & Dual Outputs	JCK15  • 2:1 Input • 2" x 1" Package • 1.6kV Isolation, 3.5kV Option • Short Circuit Protection • Single & Dual Outputs	JWK25  • 4:1 Input • 1" x 1" Package • 1.5kV Isolation • Heatsink Option • Single & Dual Outputs		JTL60  • 4:1 Input • 2" x 2" Package • 1.6kV Isolation • Remote On/Off • Single & Dual Outputs	QHL150-300  • 180 - 425VDC Input • ¼ & ½ Brick Packages • 3kVAC Isolation • Remote On/Off • Remote Sense
IF  • ±10% Input • Regulated • SIP7 & DIP14 Package • 1kV Isolation • 3kV Isolation Option	JCA02  • 2:1 Input • Regulated • 1" x 0.8" DIP24 Package • SIP6 Package • 1.5kV Basic Isolation • Single & Dual Outputs	ITP03  • 4:1 Input • Regulated • SIP6 Package • 1.6kV Isolation • Single & Dual Outputs		JTE06  • 4:1 Input • DIP24 Package • 1.5kV Isolation, 3kV Option • ITE Safety Approvals • Single & Dual Outputs		JCG12  • 2:1 Input • DIP24 Package • 1.6kV Isolation • Remote On/Off • Single & Dual Outputs				JCK60  • 2:1 Input • 2" x 2" Package • 1.6kV Isolation • Short Circuit Protection • Remote On/Off	QHL600  • 180 - 425VDC Input • Full Brick Package • 3kVAC Isolation • Remote On/Off • Current Share
ITW/IW  • 2:1 Input • Regulated • SIP & DIP Package • Up to 3kV Isolation • Single & Dual Outputs	M = MOSFET & IGBT applications										QHL750  • 200 - 425VDC Input • Full Brick Package • 3kVAC Isolation • Remote On/Off • Current Share



DC-DC CONVERTERS SELECTOR GUIDE

SMD

0.25W to 1W

ISK

- 0.25 Watt
- $\pm 10\%$ Input
- Unregulated
- SMD8 Package
- 1.5kV Isolation, 3kV Option

ISH

- $\pm 10\%$ Input
- Unregulated
- SMD8 Package
- 1.5kV Isolation, 3kV Option
- Industry Standard Pinout

ISU03

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

ISD01

- $\pm 10\%$ Input
- Unregulated
- SMD8 & 10 Packages
- 4.2kV Isolation
- Single & Dual Outputs

ISD02

- $\pm 10\%$ Input
- Unregulated
- SMD8 & 10 Packages
- 4.2kV Isolation
- Single & Dual Outputs

ISC03

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

ISE/IES01

- $\pm 10\%$ Input
- Unregulated
- SMD8 Package
- 1.5kV Isolation, 3kV Option
- Industry Standard Pinout

ISM02

- $\pm 10\%$ Input
- Unregulated
- SMD16 Package
- 4kVAC Isolation
- 1 x MOPOP at 250VAC

ISX06

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

ISA/IAS01

- $\pm 10\%$ Input
- Unregulated
- SMD10 Package
- 1.5kV Isolation, 3kV Option
- Dual Outputs

ISU02

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

ISM01

- $\pm 10\%$ Input
- Unregulated
- SMD14 Package
- 4kVAC Isolation
- 2 x MOPOP at 250VAC

ISV02

- 4:1 Input
- Regulated
- SMD8 Package
- 3kV Isolation
- Single & Dual Outputs

ISB01

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

LED Drivers

5W to 14W

LDU05-14

- 7 - 30VDC Input
- Non-isolated
- Constant Current Output
- LED Drive Current up to 1A
- Dimming Control

20W to 24W

LDU20/24

- 7 - 30VDC Input
- Non-isolated
- Constant Current Output
- LED Drive Current up to 1A
- Dimming Control

48W to 56W

LDU48/56

- 7 - 60VDC Input
- Non-isolated
- Constant Current Output
- LED Drive Current up to 1A
- Dimming Control

Medical

1W to 2W

IMA01

- $\pm 10\%$ Input
- Unregulated
- SIP7 Package
- 4kVAC Isolation
- 1 x MOPOP at 250VAC

3W to 20W

JHL03

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

ISM01

- $\pm 10\%$ Input
- Unregulated
- SMD14 Package
- 4kVAC Isolation
- 2 x MOPOP at 250VAC

IMM05

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

IMM01

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

JHL06

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

IMB01

- $\pm 10\%$ Input
- Unregulated
- SIP7 Package
- 4kVAC Isolation
- 2 x MOPOP at 300VAC

JHM10

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

ISM02

- $\pm 10\%$ Input
- Unregulated
- SMD16 Package
- 4kVAC Isolation
- 1 x MOPOP at 250VAC

JHM15

- 2:1 Input
- Regulated
- 1.6" x 1" Package
- 4kVAC Isolation
- 2 x MOPOP at 250VAC

IML02

- $\pm 10\%$ Input
- Unregulated
- SIP7 Package
- 4kVAC Isolation
- 1 x MOPOP at 300VAC

JHM20

- 2:1 Input
- Regulated
- 2" x 1" Package
- 4kVAC Isolation
- 2 x MOPOP at 250VAC

IMM02

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

⊕ = Medical approvals

Non-Isolated Switching Regulators

0.5 Amps

SVR05

- 0.5A Regulator
- Input Range up to 36VDC
- Remote On/Off
- SMD10 Package
- $\pm 10\%$ Output Trim

1 to 2 Amps

SVR10

- 1.0A Regulator
- Input Range up to 36VDC
- Remote On/Off
- SMD10 Package
- $\pm 10\%$ Output Trim

STH05

- 0.5A Regulator
- Input Range up to 72VDC
- Low Profile
- SMD10 Package
- $\pm 10\%$ Output Trim

STS10

- 1.0A Regulator
- Input Range up to 36VDC
- Low Profile
- SMD10 Package
- $\pm 10\%$ Output Trim

VR05

- 0.5A Regulator
- Input Range up to 36VDC
- High Efficiency
- SIP3 Package
- Short Circuit Protection

VR10

- 1.0A Regulator
- Input Range up to 36VDC
- High Efficiency
- SIP3 Package
- Short Circuit Protection

SRH05

- 0.5A Regulator
- Input Range up to 72VDC
- SIP3 package
- Short Circuit Protection

TR20

- 2.0A Regulator
- Input Range up to 36VDC
- Low Profile
- SIP3 Package
- Short-circuit Protection

VR20

- 2.0A Regulator
- Input Range up to 36VDC
- High Efficiency
- SIP3 Package
- 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

30W to 60W

DDC30

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

DTE10

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

DDC40

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

DDC15

- 4:1 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

DTJ15

- 4:1 Input
- 3kVDC Isolation
- ITE Safety Approvals
- $\pm 10\%$ Output Trim
- Single & Dual Outputs

DTE60

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

DTE20

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

DTJ20

- 4:1 Input
- 3kVDC Isolation
- ITE Safety Approvals
- $\pm 10\%$ Output Trim
- Single & Dual Outputs

Photovoltaic Power

15W

JVA15

- 200 - 1.5kVDC Input
- DIN Rail Option
- 4kVAC Isolation
- EN62109 Approved
- UL1741 Approved

40W

JVA40

- 200 - 1.5kVDC Input
- DIN Rail Option
- 4kVAC Isolation
- EN62109 Approved
- UL1741 Approved

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

BASEPLATE COOLED

RCQ75

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

RDD08

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

RDE75

- 8:1, 9 - 75VDC Input
- 1/2 Brick Package
- EN50155 Compliant
- Remote On/Off
- Remote Sense

RDC20/30

- 3:1, 36 - 140VDC Input
- 3:1, 55 - 176VDC Input
- 2" x 1" Package
- EN50155 Compliant
- Single & Dual Outputs

RDQ100

- 3:1, 66 - 160VDC Input
- 1/2 Brick Package
- EN50155 Compliant
- Remote On/Off
- Remote Sense

RDE20

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

RDL100

- 3:1, 66 - 160VDC Input
- 1/2 Brick Package
- EN50155 Compliant
- Remote On/Off
- Remote Sense

RDF25

- 10:1, 16 - 160VDC
- 2" x 1" Package
- 3kVDC Isolation
- EN50155 Compliant
- Remote On/Off

RDQ150

- 3:1, 66 - 160VDC Input
- 3/4 Brick Package
- EN50155 Compliant
- Remote On/Off
- Remote Sense

RDC40

- 3:1, 36 - 140VDC Input
- 3:1, 55 - 176VDC Input
- 2" x 1.6" Package
- EN50155 Compliant
- Single & Dual Outputs

QSC150

- 4:1, 9 - 36VDC Input
- 4:1, 18 - 75VDC Input
- 4:1, 43 - 160VDC Input
- 1/2 Brick Package
- EN50155 Compliant

RCQ50

- 2:1, 43 - 101VDC Input
- 3:1, 66 - 160VDC Input
- 1/2 Brick Package
- EN50155 Compliant
- Baseplate-cooled

RDH300-600

- 4:1, 43 - 160VDC Input
- 1/2 & Full Brick Packages
- EN50155 Compliant
- Remote On/Off
- Remote Sense

RDF50

- 12:1, 14 - 160VDC Input
- 1/2 Brick Package
- 3kVDC Isolation
- EN50155 Compliant
- Baseplate-cooled