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**P-DUKE**  
**POWER**

High  
Expandability

Ultra Wide  
Input Range

Professional  
Customized  
Design

# QUICK SELECTION GUIDE



## DC-DC Converters

### SMALL SIZE & LOW PROFILE PACKAGE(1~9W)



Series	Output Power	Input Voltage Range(VDC)	Output Voltage(VDC)	Isolation Voltage	Eff.	Operating Temp.	Package	Dimensions	Safety Approval
DUR01	1W	3.3, 5, 9, 12, 15, 24 ( $\pm 10\%$ )	3.3, 5, 9, 12, 15	1000 VDC	80%	-25°C~+100°C	SIP	0.45"x0.24"x0.40" 11.5x6.0x10.2mm	CE
DU1P0	1W	5, 12, 15, 24 ( $\pm 10\%$ )	5, 12, 15 $\pm 5, \pm 12, \pm 15$	1000 VDC 3000 VDC	82%	-40°C~+100°C	SIP	0.77"x0.24"x0.40" 19.6x6.1x10.2mm	UL, CB, CE
UDS01 UDH01	1W	4.5~13.2, 9~18, 18~36, 36~75	3.3, 5, 9, 12, 15, 24 $\pm 5, \pm 12, \pm 15$	1600 VDC	83%	-40°C~+105°C	SMD SIP	0.47"x0.44"x0.31" 11.9x11.3x8.0mm	CE
SDS01(W) SDH01(W)	1W	4.5~9, 9~18, 18~36, 36~75 (4.5~18, 9~36, 18~75)	3.3, 5, 9, 12, 15, 24 $\pm 5, \pm 12, \pm 15$	1600 VDC 3000 VDC	83%	-40°C~+105°C	SMD DIP	0.52"x0.36"x0.40" 13.2x9.1x10.2mm	CE
UDS02 UDH02	2W	4.5~13.2, 9~18, 18~36, 36~75	3.3, 5, 9, 12, 15, 24 $\pm 5, \pm 12, \pm 15$	1600 VDC	84%	-40°C~+105°C	SMD SIP	0.47"x0.44"x0.31" 11.9x11.3x8.0mm	CE
SDS02(W) SDH02(W)	2W	4.5~9, 9~18, 18~36, 36~75 (4.5~18, 9~36, 18~75)	3.3, 5, 9, 12, 15, 24 $\pm 5, \pm 12, \pm 15$	1600 VDC 3000 VDC	86%	-40°C~+105°C	SMD DIP	0.52"x0.36"x0.40" 13.2x9.1x10.2mm	CE
PDS02(W) PDH02(W)	2W	4.5~9, 9~18, 18~36, 36~75 (4.5~18, 9~36, 18~75)	3.3, 5, 9, 12, 15 $\pm 5, \pm 12, \pm 15$	1600 VDC 3000 VDC	84%	-40°C~+100°C	SMD DIP	0.74"x0.50"x0.33" 18.9x12.8x8.4mm	UL, CB, CE
PDL02	2W	4.5~9, 9~18, 18~36, 36~75	3.3, 5, 9, 12, 15 $\pm 5, \pm 12, \pm 15$	1600 VDC 3000 VDC	84%	-40°C~+100°C	SIP	0.86"x0.36"x0.44" 21.8x9.1x11.2mm	UL, CB, CE
UDS03 UDH03 (NEW)	3W	4.5~13.2, 9~18, 18~36, 36~75	3.3, 5, 9, 12, 15, 24 $\pm 5, \pm 12, \pm 15$	1600 VDC	84%	-40°C~+105°C	SMD SIP	0.47"x0.44"x0.31" 11.9x11.3x8.0mm	CE
SDS03W SDH03W	3W	4.5~18, 9~36, 18~75	3.3, 5, 9, 12, 15, 24 $\pm 5, \pm 12, \pm 15$	1600 VDC 3000 VDC	84%	-40°C~+105°C	SMD DIP	0.52"x0.36"x0.40" 13.2x9.1x10.2mm	CE
PDS03(W) PDH03(W)	3W	4.5~9, 9~18, 18~36, 36~75 (4.5~18, 9~36, 18~75)	3.3, 5, 9, 12, 15 $\pm 5, \pm 12, \pm 15$	1600 VDC 3000 VDC	83%	-40°C~+100°C	SMD DIP	0.74"x0.50"x0.33" 18.9x12.8x8.4mm	UL, CB, CE
PDL03(W)	3W	4.5~9, 9~18, 18~36, 36~75 (4.5~18, 9~36, 18~75)	3.3, 5, 9, 12, 15 $\pm 5, \pm 12, \pm 15$	1600 VDC 3000 VDC	85%	-40°C~+100°C	SIP	0.86"x0.36"x0.44" 21.8x9.1x11.2mm	UL, CB, CE
SDS05(W) SDH05(W) (NEW)	5W	4.5~13.2, 9~18, 18~36, 36~75 (9~36, 18~75)	3.3, 5, 9, 12, 15, 24 $\pm 5, \pm 12, \pm 15$	1600 VDC 3000 VDC	86%	-40°C~+105°C	SMD DIP	0.52"x0.36"x0.40" 13.2x9.1x10.2mm	CF
PDL06(W)	6W	4.5~9, 9~18, 18~36, 36~75 (9~36, 18~75)	3.3, 5, 9, 12, 15, 24 $\pm 5, \pm 12, \pm 15$	1600 VDC 3000 VDC	88%	-40°C~+100°C	SIP	0.86"x0.36"x0.44" 21.8x9.1x11.2mm	UL, CB, CE
PDL09(W) (NEW)	9W	9~18, 18~36, 36~75 (9~36, 18~75)	3.3, 5, 9, 12, 15, 24 $\pm 5, \pm 12, \pm 15$	1600 VDC	89%	-40°C~+100°C	SIP	0.86"x0.36"x0.44" 21.8x9.1x11.2mm	UL, CB, CE

### DIP24 PACKAGE(3~15W)



Series	Output Power	Input Voltage Range(VDC)	Output Voltage(VDC)	Isolation Voltage	Eff.	Operating Temp.	Package	Dimensions	Safety Approval
FKC03	3W	9~18, 18~36, 36~75	3.3, 5, 12, 15 $\pm 5, \pm 12, \pm 15$	1600 VDC	82%	-40°C~+100°C	SMD DIP24	1.25"x0.80"x0.40" 31.8x20.3x10.2mm	UL, CB, CE
MKC03	3W	9~18, 18~36, 36~75	3.3, 5, 12, 15 $\pm 5, \pm 12, \pm 15$ Vo1&Vo2:5/12/15	500 VDC	80%	-40°C~+100°C	SMD DIP24	1.25"x0.80"x0.40" 31.8x20.3x10.2mm	UL, CB, CE
MOP03(W)	3W	4.5~9, 9~18, 18~36, 36~75 (9~36, 18~75)	3.3, 5, 12, 15, 24 $\pm 5, \pm 12, \pm 15$	3000 VAC	87.5%	-40°C~+105°C	DIP24	1.25"x0.80"x0.40" 31.8x20.3x10.2mm	UL, CB, CE, FCC
MPP03(W)	3W	4.5~9, 9~18, 18~36, 36~75 (9~36, 18~75)	3.3, 5, 12, 15, 24 $\pm 5, \pm 12, \pm 15$	5000 VAC	87.5%	-40°C~+105°C	DIP24	1.25"x0.80"x0.40" 31.8x20.3x10.2mm	UL, CB, CE, FCC
PFKC03	3W	4.5~6, 9~18, 18~36, 36~75	3.3, 5, 12, 15 $\pm 5, \pm 12, \pm 15$	1600 VDC 3000 VDC	80%	-25°C~+100°C	SMD DIP24	1.25"x0.80"x0.40" 31.8x20.3x10.2mm	UL, CB, CE
PMKC03	3W	4.5~6, 9~18, 18~36, 36~75	3.3, 5, 12, 15 $\pm 5, \pm 12, \pm 15$ Vo1&Vo2:5/12/15	1600 VDC	80%	-25°C~+100°C	SMD DIP24	1.25"x0.80"x0.40" 31.8x20.3x10.2mm	UL, CB, CE
FKC05(W)	5W	9~18, 18~36, 36~75 (9~36, 18~75)	3.3, 5, 12, 15 $\pm 5, \pm 12, \pm 15$	1600 VDC	84%	-40°C~+100°C	SMD DIP24	1.25"x0.80"x0.40" 31.8x20.3x10.2mm	UL, CB, CE
LKC05W (NEW)	5W	4.5~12, 9~36, 18~75	3.3, 5, 12, 15, 24 $\pm 5, \pm 12, \pm 15, \pm 24$ Vo1: 5/12/15/24 Vo2: 5/12/15/24	1600 VDC	89%	-40°C~+100°C	DIP24	1.25"x0.80"x0.40" 31.8x20.3x10.2mm	CE
PFKC05	5W	9~18, 18~36, 36~75	3.3, 5, 12, 15 $\pm 5, \pm 12, \pm 15$	1600 VDC 3000 VDC	81%	-25°C~+100°C	SMD DIP24	1.25"x0.80"x0.40" 31.8x20.3x10.2mm	UL, CB, CE
MOP06(W)	6W	4.5~9, 9~18, 18~36, 36~75 (9~36, 18~75)	3.3, 5, 12, 15, 24 $\pm 5, \pm 12, \pm 15$	3000 VAC	89%	-40°C~+105°C	DIP24	1.25"x0.80"x0.40" 31.8x20.3x10.2mm	UL, CB, CE, FCC
MPP06(W)	6W	4.5~9, 9~18, 18~36, 36~75 (9~36, 18~75)	3.3, 5, 12, 15, 24 $\pm 5, \pm 12, \pm 15$	5000 VAC	89%	-40°C~+105°C	DIP24	1.25"x0.80"x0.40" 31.8x20.3x10.2mm	UL, CB, CE, FCC
FKC08(W)	8W	9~18, 18~36, 36~75 (9~36, 18~75, 43~160)	3.3, 5, 12, 15 $\pm 5, \pm 12, \pm 15$	1600 VDC	88%	-40°C~+100°C -55°C~+105°C	SMD DIP24	1.25"x0.80"x0.40" 31.8x20.3x10.2mm	UL, CB, CE EN50155
MOP10(W)	10W	4.5~9, 9~18, 18~36, 36~75 (9~36, 18~75)	3.3, 5, 12, 15, 24 $\pm 5, \pm 12, \pm 15$	3000 VAC	89%	-40°C~+105°C	DIP24	1.25"x0.80"x0.40" 31.8x20.3x10.2mm	UL, CB, CE, FCC
MPP10(W)	10W	4.5~9, 9~18, 18~36, 36~75 (9~36, 18~75)	3.3, 5, 12, 15, 24 $\pm 5, \pm 12, \pm 15$	5000 VAC	89%	-40°C~+105°C	DIP24	1.25"x0.80"x0.40" 31.8x20.3x10.2mm	UL, CB, CE, FCC
FKC12(W)	12W	9~18, 18~36, 36~75 (9~36, 18~75)	2.5, 3.3, 5.1, 12, 15 $\pm 5, \pm 12, \pm 15$	1600 VDC	88%	-40°C~+105°C	SMD DIP24	1.25"x0.80"x0.40" 31.8x20.3x10.2mm	UL, CB, CE
FKC15(W)	15W	9~18, 18~36, 36~75 (9~36, 18~75)	3.3, 5.1, 12, 15 $\pm 5, \pm 12, \pm 15$	1600 VDC	91%	-40°C~+105°C	DIP24	1.25"x0.80"x0.40" 31.8x20.3x10.2mm	UL, CB, CE

## 1" X 1" PACKAGE(10~30W)



Series	Output Power	Input Voltage Range(VDC)	Output Voltage(VDC)	Isolation Voltage	Eff.	Operating Temp.	Package	Dimensions	Safety Approval
LCD10(W)	10W	9~18, 18~36, 36~75 (9~36, 18~75)	3.3, 5, 12, 15, 24 ±5, ±12, ±15	1600 VDC	91%	-40°C~+105°C	DIP	1.00"x1.00"x0.39" 25.4x25.4x9.9mm	UL, CB, CE
LCD15(W)	15W	9~18, 18~36, 36~75 (9~36, 18~75)	3.3, 5, 12, 15, 24 ±5, ±12, ±15, ±24	1600 VDC	91%	-40°C~+105°C	DIP	1.00"x1.00"x0.39" 25.4x25.4x9.9mm	UL, CB, CE
LED15(W)	15W	18~36, 36~75 (9~36, 18~75)	3.3, 5, 12, 15	2250 VDC	88%	-40°C~+120°C	SMD DIP	1.10"x0.94"x0.33" 27.9x23.9x8.5mm	UL, CB, CE
LCD20(W)	20W	9~18, 18~36, 36~75 (9~36, 18~75)	3.3, 5, 12, 15, 24 ±12, ±15, ±24	1600 VDC	92%	-40°C~+105°C	DIP	1.00"x1.00"x0.39" 25.4x25.4x9.9mm	UL, CB, CE
LCD30(W)	30W	9~18, 18~36, 36~75 (9~36, 18~75)	3.3, 5, 12, 15, 24 ±12, ±15, ±24	1600 VDC	93%	-40°C~+105°C	DIP	1.00"x1.00"x0.39" 25.4x25.4x9.9mm	UL, CB, CE

## 2" X 1" PACKAGE(5~60W)



Series	Output Power	Input Voltage Range(VDC)	Output Voltage(VDC)	Isolation Voltage	Eff.	Operating Temp.	Package	Dimensions	Safety Approval
FDC05(W)	5W	9~18, 18~36, 36~75 (9~36, 18~75)	3.3, 5, 12, 15 ±5, ±12, ±15	1600 VDC	83%	-40°C~+100°C	DIP	2.00"x1.00"x0.40" 50.8x25.4x10.2mm	UL, CB, CE
FDC10(W)	10W	9~18, 18~36, 36~75 (9~36, 18~75)	3.3, 5, 12, 15 ±5, ±12, ±15	1600 VDC	87%	-40°C~+105°C	DIP	2.00"x1.00"x0.40" 50.8x25.4x10.2mm	UL, CB, CE
FEC15(W)	15W	9~18, 18~36, 36~75 (9~36, 18~75)	3.3, 5, 5.1, 12, 15 ±5, ±12, ±15	1600 VDC	88%	-40°C~+105°C	DIP	2.00"x1.00"x0.40" 50.8x25.4x10.2mm	UL, CB, CE
FED20(W)	20W	9~18, 18~36, 36~75 (9~36, 18~75)	1.5, 1.8, 2.5, 3.3, 5, 12, 15 ±5, ±12, ±15	1600 VDC	89%	-40°C~+105°C	DIP	2.00"x1.00"x0.40" 50.8x25.4x10.2mm	UL, CB, CE
RED20W	20W	9~36, 18~75, 43~160	3.3, 5, 12, 15 ±12, ±15	2250 VDC	89%	-40°C~+105°C -55°C~+105°C	DIP	2.00"x1.00"x0.40" 50.8x25.4x10.2mm	UL, CB, CE EN50155
FED30(W)	30W	9~18, 18~36, 36~75 (9~36, 18~75)	1.5, 2.5, 3.3, 5, 5.1, 12, 15 ±5, ±12, ±15, 3.3/±12, 3.3/±15, 5/±12, 5/±15	1600 VDC	91%	-40°C~+105°C	DIP	2.00"x1.00"x0.40" 50.8x25.4x10.2mm	UL, CB, CE
FED40(W)	40W	9~18, 18~36, 36~75 (9~36, 18~75, 43~160)	3.3, 5, 12, 15, 24 ±12, ±15, ±24	1600 VDC 3000 VDC	92%	-40°C~+105°C -55°C~+105°C	DIP	2.00"x1.00"x0.40" 50.8x25.4x10.2mm	UL, CB, CE EN50155
FED60(W)	60W	9~18, 18~36, 36~75 (9~36, 18~75)	3.3, 5, 12, 15, 24 ±12, ±15, ±24	1600 VDC	92%	-40°C~+105°C	DIP	2.00"x1.00"x0.40" 50.8x25.4x10.2mm	UL, CB, CE

## 2" X 1.6" & 2" X 2" PACKAGE(15~60W)



Series	Output Power	Input Voltage Range(VDC)	Output Voltage(VDC)	Isolation Voltage	Eff.	Operating Temp.	Package	Dimensions	Safety Approval
FDC15	15W	9~36, 18~75	5, 12, 15 ±5, ±12, ±15	1600 VDC	82%	-40°C~+100°C	DIP	2.00"x1.60"x0.40" 50.8x40.6x10.2mm	UL, CB, CE
FDC20(W)	20W	9~18, 18~36, 36~75 (9~36, 18~75)	3.3, 5, 12, 15 ±5, ±12, ±15, 3.3/±12, 3.3/±15, 5/±12, 5/±15	1600 VDC	87%	-40°C~+100°C	DIP	2.00"x1.60"x0.40" 50.8x40.6x10.2mm	UL, CB, CE
FEC30(W)	30W	9~18, 18~36, 36~75 (10~40, 18~75)	1.5, 1.8, 2.5, 3.3, 5, 12, 15 ±12, ±15	1600 VDC	90%	-40°C~+100°C	DIP	2.00"x1.60"x0.40" 50.8x40.6x10.2mm	UL, CB, CE
FEC40(W)	40W	9~18, 18~36, 36~75 (9~36, 18~75)	1.5, 1.8, 2.5, 3.3, 5, 12, 15 ±12, ±15, 3.3/5, 3.3/±12, 3.3/±15, 5/±12, 5/±15	1600 VDC	90%	-40°C~+105°C	DIP	2.00"x2.00"x0.40" 50.8x50.8x10.2mm	UL, CB, CE
FEC60	60W	18~36, 36~75	3.3, 5, 12, 15, 24	1600 VDC	91%	-40°C~+110°C	DIP	2.00"x2.00"x0.40" 50.8x50.8x10.2mm	UL, CB, CE

## BRICK PACKAGE(40~255W)



Series	Output Power	Input Voltage Range(VDC)	Output Voltage(VDC)	Isolation Voltage	Eff.	Operating Temp.	Package	Dimensions	Safety Approval
QAE40U (NEW)	40W	16~160	5,12, 15, 24, 28, 48,53	3000 VAC	90%	-40°C~+105°C	Quarter Brick	2.28"x1.45"x0.50" 57.9x36.8x12.7 mm	UL, CB, CE EN50155(pending)
QAE60U (NEW)	60W	16~160	5,12, 15, 24, 28, 48,53	3000 VAC	90%	-40°C~+105°C	Quarter Brick	2.28"x1.45"x0.50" 57.9x36.8x12.7 mm	UL, CB, CE EN50155(pending)
QAE100(W)	108W	8.5~22, 16.5~36, 33~75 (8.5~36, 16.5~75, 40~160)	3.3, 5, 12, 15, 24, 30, 48	2250 VDC 3000 VAC	93%	-40°C~+105°C	Quarter Brick	2.28"x1.45"x0.50" 57.9x36.8x12.7mm	UL, CB, CE EN50155(pending)
QAE150(W)	150W	8.5~22, 16.5~36, 33~75 (8.5~36, 16.5~75, 40~160)	3.3, 5, 12, 15, 24, 30, 48	2250 VDC 3000 VAC	92%	-40°C~+105°C	Quarter Brick	2.28"x1.45"x0.50" 57.9x36.8x12.7mm	UL, CB, CE EN50155(pending)
HAE75W	75W	9~36, 18~75, 43~160	3.3, 5, 12, 15, 24, 28, 48	2250 VDC 3000 VAC	91%	-40°C~+105°C	Half Brick	2.40"x2.28"x0.50" 61.0x57.9x12.7mm	UL, CB, CE EN50155
HAE100(W)	100W	9~18, 18~36, 36~75 (8.5~36, 16.5~75, 43~160)	3.3, 5, 12, 15, 24, 28, 48	2250 VDC 3000 VAC	93%	-40°C~+105°C	Half Brick	2.40"x2.28"x0.50" 61.0x57.9x12.7mm	UL, CB, CE EN50155
HAE150(W)	196W	8.5~22, 16.5~36, 33~75 (8.5~36, 16.5~75, 43~160)	3.3, 5, 12, 15, 24, 28, 48, 53	2250 VDC 3000 VAC	93%	-40°C~+105°C	Half Brick	2.40"x2.28"x0.50" 61.0x57.9x12.7mm	UL, CB, CE EN50155
HAE200(W)	255W	8.5~22, 16.5~36, 33~75 (8.5~36, 16.5~75, 43~160)	3.3, 5, 12, 15, 24, 28, 48, 53	2250 VDC 3000 VAC	93%	-40°C~+105°C	Half Brick	2.40"x2.28"x0.50" 61.0x57.9x12.7mm	UL, CB, CE EN50155
HAE200U (NEW)	200W	16~160	5,12, 15, 24, 28, 48,53	3000 VAC	91%	-40°C~+110°C	Half Brick	2.40"x2.28"x0.50" 61.0x57.9x12.7 mm	UL, CB, CE EN50155(pending)

## NON-ISOLATED DC-DC CONVERTERS(1~30A)



Series	Output Power	Input Voltage Range(VDC)	Output Voltage(VDC)	Eff.	Operating Temp.	Package	Dimensions	Safety Approval
ASR01	1A	-7~32	-5, -5.2, -6, -8, -9, -12, -15	96%	-40°C~+100°C	SIP	0.46"x0.30"x0.65" 11.7x7.5x16.5mm	CE
NSR01	1A	4.6~36	1.5, 1.8, 2.5, 3, 3.3, 5, 6.5, 9, 12, 15 -1.5, -1.8, -2.5, -3, -3.3, -5, -6.5, -9, -12, -15	95.5%	-40°C~+100°C	SIP	0.46"x0.30"x0.40" 11.7x7.5x10.1mm	CE
PSR1.0	1A	4.6~36	1.2, 1.5, 1.8, 2.5, 3.3, 5, 6.5, 9, 12, 15	96%	-40°C~+100°C	SIP	0.46"x0.30"x0.40" 11.7x7.5x10.1mm	CE
PSR02 (NEW)	2A	3.0~36	1.2, 1.5, 1.8, 2.5, 3.3, 5, 6.5, 9, 12, 15	96%	-40°C~+100°C	SIP	0.55"x0.30"x0.40" 14.0x7.5x10.1 mm	CE
SSR01	1A	3.0~36	2.5, 3.3, 5, 9, 12, 15 -3.3, -5, -9, -12, -15	95.5%	-40°C~+100°C	SMD	0.60"x0.37"x0.29" 15.2x9.3x7.3mm	CE
LSR01	1A	3.0~36	1.2, 1.5, 1.8, 2.5, 3.3, 5.0, 6.5, 9.0, 12, 15	96%	-40°C~+100°C	SMD	0.60"x0.37"x0.29" 15.2x9.3x7.3mm	CE
OSR03	3A	2.5~30	0.59~15 -0.59~15	95%	-40°C~+85°C	SIP	0.37"x0.24"x0.61" 9.4x6.0x15.5mm	CE
DOS06 DOH06	6A	2.4~14	0.75~5	94%	-40°C~+85°C	SMD SIP	0.80"x0.45"x0.21" 20.3x11.4x5.4mm	UL, CB, CE
DOS10 DOH10	10A	2.4~14	0.75~5	95%	-40°C~+85°C	SMD SIP	1.30"x0.53"x0.30" 33.0x13.5x7.6mm	UL, CB, CE
DOS16 DOH16	16A	2.4~14	0.75~5	95%	-40°C~+85°C	SMD SIP	1.30"x0.53"x0.30" 33.0x13.5x7.6mm	UL, CB, CE
DOS30 DOH30	30A	4.5~14	0.8~5.5	93%	-40°C~+85°C	SMD SIP	1.30"x0.53"x0.31" 33.0x13.5x7.8mm	CE

## WALL MOUNT TYPE(15~255W) WITH SCREW TERMINAL BLOCK



Series	Output Power	Input Voltage Range(VDC)	Output Voltage(VDC)	Isolation Voltage	Eff.	Operating Temp.	Package	Dimensions	Safety Approval
UFEC15W	15W	9.5~36, 18~75	3.3, 5, 5.1, 12, 15 ±5, ±12, ±15	1600 VDC	87%	-40°C~+85°C	U-Chassis	4.00"x2.25"x0.75" 101.6x57.2x19.1mm	CE
UFED20(W)	20W	9.5~18, 18~36, 36~75 (9.5~36, 18~75)	3.3, 5, 12, 15 ±5, ±12, ±15	1600 VDC	88%	-40°C~+85°C	U-Chassis	4.00"x2.25"x0.75" 101.6x57.2x19.1mm	CE
URED20W	20W	9.5~36, 18~75, 43~160	3.3, 5, 12, 15 ±12, ±15	2250 VDC	88%	-40°C~+85°C	U-Chassis	4.00"x2.25"x0.75" 101.6x57.2x19.1mm	CE
UFEC30(W)	30W	9.5~18, 18~36, 36~75 (10~40, 18~75)	3.3, 5, 12, 15, 24, 28 ±12, ±15	1600 VDC	89%	-40°C~+85°C	U-Chassis	4.00"x2.25"x0.75" 101.6x57.2x19.1mm	CE
UFEC40(W)	40W	9.5~18, 18~36, 36~75 (9.5~36, 18~75)	3.3, 5, 12, 15, 24, 28 ±12, ±15	1600 VDC 3000 VAC	89%	-40°C~+85°C	U-Chassis	4.00"x2.25"x0.75" 101.6x57.2x19.1mm	CE
UFED40W	40W	9.5~36, 18~75, 43~160	3.3, 5, 12, 15, 24 ±12, ±15, ±24	1600 VDC 3000 VAC	91%	-40°C~+85°C	U-Chassis	4.00"x2.25"x0.75" 101.6x57.2x19.1mm	CE
UFEC60	60W	18~36, 36~75	3.3, 5, 12, 15, 24	1600 VDC	89%	-40°C~+85°C	U-Chassis	4.00"x2.25"x0.75" 101.6x57.2x19.1mm	CE
HAE75W-T	75W	9~36, 18~75, 43~160	3.3, 5, 12, 15, 24, 28, 48	2250 VDC 3000 VAC	91%	-40°C~+105°C	Half Brick	3.35"x2.40"x1.17" 85.0x61.0x29.6mm	UL, CB, CE EN50155
HAE100(W)-T	100W	9~18, 18~36, 36~75 (8.5~36, 16.5~75, 43~160)	3.3, 5, 12, 15, 24, 28, 48	2250 VDC 3000 VAC	93%	-40°C~+105°C	Half Brick	3.35"x2.40"x1.28" 85.1x61.0x32.5mm	UL, CB, CE EN50155
HAE150(W)-T	196W	8.5~22, 16.5~36, 33~75 (8.5~36, 16.5~75, 43~160)	3.3, 5, 12, 15, 24, 28, 48, 53	2250 VDC 3000 VAC	93%	-40°C~+105°C	Half Brick	3.35"x2.40"x1.35" 85.1x61.0x34.2mm	UL, CB, CE EN50155
HAE200(W)-T	255W	8.5~22, 16.5~36, 33~75 (8.5~36, 16.5~75, 43~160)	3.3, 5, 12, 15, 24, 28, 48, 53	2250 VDC 3000 VAC	93%	-40°C~+105°C	Half Brick	3.35"x2.40"x1.35" 85.1x61.0x34.2mm	UL, CB, CE EN50155
WAF(D)150	150W	9~36, 18~75, 43~160	12, 15, 24, 28, 48	2250 VDC	89%	-40°C~+105°C	Enclosed	3.86"x2.07"x0.67" 98.0x52.5x17.0mm	UL, CB, CE EN50155

## DIN RAIL TYPE(15~60W) WITH SCREW TERMINAL BLOCK



Series	Output Power	Input Voltage Range(VDC)	Output Voltage(VDC)	Isolation Voltage	Eff.	Operating Temp.	Package	Dimensions	Safety Approval
DFEC15W	15W	9.5~36, 18~75	3.3, 5, 5.1, 12, 15 ±5, ±12, ±15	1600 VDC	86%	-40°C~+85°C	Enclosed	4.90"x2.27"x0.94" 124.5x57.6x24.0mm	CE
DFED20(W)	20W	9.5~18, 18~36, 36~75 (9.5~36, 18~75)	3.3, 5, 12, 15 ±5, ±12, ±15	1600 VDC	87%	-40°C~+85°C	Enclosed	4.90"x2.27"x0.94" 124.5x57.6x24.0mm	CE
DFEC30(W)	30W	9.5~18, 18~36, 36~75 (10~40, 18~75)	3.3, 5, 12, 15, 24, 28 ±12, ±15	1600 VDC	88%	-40°C~+85°C	Enclosed	4.90"x2.27"x0.94" 124.5x57.6x24.0mm	CE
DFEC40(W)	40W	9.5~18, 18~36, 36~75 (9.5~36, 18~75)	3.3, 5, 12, 15, 24, 28 ±12, ±15, 3.3/±12, 3.3/±15, 5/±12, 5/±15	1600 VDC	88%	-40°C~+85°C	Enclosed	4.90"x2.27"x0.94" 124.5x57.6x24.0mm	CE
DFEC60	60W	18~36, 36~75	3.3, 5, 12, 15, 24	1600 VDC	89%	-40°C~+85°C	Enclosed	4.90"x2.27"x0.94" 124.5x57.6x24.0mm	CE

## AC-DC Power Supplies

### MEDICAL POWER SUPPLIES(15~450W)



Series	Output Power	Input Voltage Range(VDC)	Output Voltage(VDC)	Isolation Voltage	Eff.	Operating Temp.	Dimensions	Safety Approval
MAC15 (NEW)	15W	85~264VAC (120~370VDC)	3.3, 5, 9, 12, 15, 24, 36, 48	4000 VAC	89%	-40°C~+85°C	1.00"x2.61"x0.64" 25.4x66.2x16.3mm	UL, CB, CE, FCC(pending)
MAD30 (NEW)	30W	85~264VAC (120~370VDC)	3.3, 5, 9, 12, 15, 24, 36, 48	4000 VAC	91%	-40°C~+85°C	1.36"x3.34"x0.81" 34.6x84.8x20.5mm	UL, CB, CE, FCC(pending)
MXD40	40W	85~264VAC (120~370VDC)	5,7,5,9,12, 15, 24, 28, 36, 48,53	4000 VAC	93%	-40°C~+85°C	2.00"x3.00"x0.94" 50.8x76.2x24.0mm	UL, CB, CE, FCC
MXD40 Multi (NEW)	40W	85~264VAC (120~370VDC)	Vo1: +5, +12, +15, +24, +28 Vo2: +3.3, +5 Vo3: -5, -12, -15, +5, +12	4000 VAC	93%	-40°C~+85°C	2.00"x3.50"x0.98" 50.8x88.9x24.9mm	UL, CB, CE, FCC
MXD65	65W	85~264VAC (120~370VDC)	5,7,5,9,12, 15, 24, 28, 36, 48,53	4000 VAC	93.5%	-40°C~+85°C	2.00"x3.00"x0.94" 50.8x76.2x24.0mm	UL, CB, CE, FCC
MXD65 Multi (NEW)	65W	85~264VAC (120~370VDC)	Vo1: +5, +12, +15, +24, +28 Vo2: +3.3, +5 Vo3: -5, -12, -15, +5, +12	4000 VAC	90.5%	-40°C~+85°C	2.00"x3.50"x0.98" 50.8x88.9x24.9mm	UL, CB, CE, FCC
MXD100	100W	85~264VAC (120~370VDC)	12, 15, 24, 28, 36, 48	4000 VAC	92%	-25°C~+85°C	2.00"x3.00"x1.16" 50.8x76.2x29.5mm	UL, CB, CE, FCC
MXF150	150W	85~264VAC (120~370VDC)	12, 15, 24, 28, 36, 48	4000 VAC	92%	-25°C~+85°C	2.00"x4.00"x1.16" 50.8x101.6x29.5mm	UL, CB, CE, FCC
MAH450 (NEW)	450W	85~264VAC (120~370VDC)	12, 15, 24, 28, 48,53	4000 VAC	94%	-40°C~+85°C	3.00"x5.00"x1.58" 76.2x127.0x40.1mm	UL, CB, CE, FCC(pending)

X: A(Open frame); U(U chassis); E(Enclosed ); D(Din rail)



### I.T.E. POWER SUPPLIES(40~150W)

Series	Output Power	Input Voltage Range(VDC)	Output Voltage(VDC)	Isolation Voltage	Eff.	Operating Temp.	Dimensions	Safety Approval
TXD40	40W	85~264VAC (120~370VDC)	5,7,5,9,12, 15, 24, 28, 36, 48,53	3000 VAC	93%	-40°C~+85°C	2.00"x3.00"x0.94" 50.8x76.2x24.0mm	UL, CB, CE, FCC
TXD40 Multi (NEW)	40W	85~264VAC (120~370VDC)	Vo1: +5, +12, +15, +24, +28 Vo2: +3.3, +5 Vo3: -5, -12, -15, +5, +12	3000 VAC	90%	-40°C~+85°C	2.00"x3.50"x0.98" 50.8x88.9x24.9mm	UL, CB, CE, FCC
TXD65	65W	85~264VAC (120~370VDC)	5,7,5,9,12, 15, 24, 28, 36, 48,53	3000 VAC	93.5%	-40°C~+85°C	2.00"x3.00"x0.94" 50.8x76.2x24.0mm	UL, CB, CE, FCC
TXD65 Multi (NEW)	65W	85~264VAC (120~370VDC)	Vo1: +5, +12, +15, +24, +28 Vo2: +3.3, +5 Vo3: -5, -12, -15, +5, +12	3000 VAC	90.5%	-40°C~+85°C	2.00"x3.50"x0.98" 50.8x88.9x24.9mm	UL, CB, CE, FCC
TXD100	100W	85~264VAC (120~370VDC)	12, 15, 24, 28, 36, 48	3000 VAC	92%	-40°C~+80°C	2.00"x3.00"x1.16" 50.8x76.2x29.5mm	UL, CB, CE, FCC
TXF150	150W	85~264VAC (120~370VDC)	12, 15, 24, 28, 36, 48	3000 VAC	92%	-40°C~+80°C	2.00"x4.00"x1.16" 50.8x101.6x29.5mm	UL, CB, CE, FCC

X: A(Open frame); U(U chassis); E(Enclosed ); D(Din rail)