



Electrical specifications

Input

Input Voltage 11 - 28 VDC (wide range)
 Input Current 6.8(3.3)A Max. @12(24)VDC I/P
 Input Fuse 8(4)A

Out put

Voltage (Vo) 15V ... 24V
 Tolerance 5%
 Power (Po) 60W Max.
 Voltage range 15 - 24 VDC
 Current limit range (Io) ...
 Overcurrent protection ... Constant current type
 Short circuit protection ... Built-in
 Over temp protection Built-in
 Efficiency 83% typ. at full load and 12VDC I/P
 Ripple/Noise(Vp-p) 1% Max. (20MHz bandwidth)

Output Electronic Specification:

Model No.	Po	Vo	Io max
VDN60-080A-1	17W	8.5V	2.0A
VDN60-120A	25.2W	12V	2.1A
VDN60-150x	60W	15V	4.0A
VDN60-160x	60W	16V	3.75A
VDN60-180x	60W	18V	3.35A
VDN60-190x	60W	19V	3.16A
VDN60-200x	60W	20V	3.0A
VDN60-220x	60W	22V	2.73A
VDN60-240x	60W	24V	2.5A

Features

- Input plug for car cigarette receptacle
- Wide range DC input 11 - 28VDC
- Constant current output built-in
- Fully enclosed plastic case
- Fully regulated output
- High efficiency
- High Quality

Environmental

Operating temperature

0 deg. C to +40 deg. C ambient

Storage temperature

-20 deg. C to +80 deg. C ambient

EMI

Meet FCC Part 15 Class B
 CISPR EN55022 Class B (CE)

Safety

CE
 CSA
 E-Mark
 FCC
 UL



X=A : Input Voltage=12VDC
 X=B : Input Voltage=24VDC
 X=C : Input Voltage=10.7 - 16 VDC
 X=D : Input Voltage=22 - 24 VDC
 X=0 : Input Voltage=10.7 - 28 VDC
 X=F1 : Input Voltage=10.7 - 16 VDC Air
 X=F2 : Input Voltage=22 - 24 VDC Air

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