

### Features

Input plug for car cigarette receptacle and new with aircraft plug  
 (Order suffix: VDN60....F)  
 Wide range DC input 10.7-28VDC  
 Interchangeable DC output cable\* for different application  
 Adjustable output voltage & current  
 Constant current output built-in  
 Fully enclosed plastic case  
 Fully regulated output  
 High efficiency; High Quality



### Electrical specifications

#### Input

Voltage ..... 10.7-28VDC (wide range)  
 Current ..... 6.5Arms Max. @12VDC I/P  
 Fuse ..... 8A

#### Output

Voltage (Vo) ..... (see table)  
 Tolerance ..... 5%  
 Power (Po) ..... 60W Max.  
 Voltage adjust range ..... 15-24VDC  
 Current limit range (Io) ... 2.1-4.2A (adjustable)  
 Overcurrent protection ... Constant current type  
 Short circuit protection ... Built-in  
 Over temp protection ..... Built-in  
 Efficiency ..... 85% typ. at full load and 12VDC I/P  
 Ripple/Noise(Vp-p) ..... 1% Max. (20MHz bandwidth)

### Output Electronic Specifications

Model No.	Po	Vo	Io max
VDN60-1500	60W	15V	4.0A
VDN60-1600	60W	16V	3.75A
VDN60-1800	60W	18V	3.35A
VDN60-1900	60W	19V	3.16A
VDN60-2000	60W	20V	3.0A
VDN60-2200	60W	22V	2.73A
VDN60-2400	60W	24V	2.5A

\*Output cable please refer to output cable diagram.

### Environmental

#### Operating temperature

0 deg. C to +40 deg. C ambient

#### Storage temperature

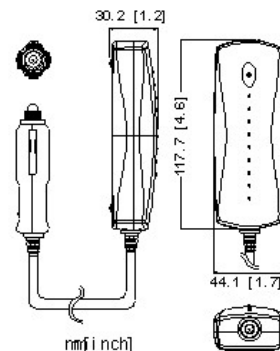
-20 deg. C to +80 deg. C ambient

#### EMI

Meet ..... CISPR 22  
 Air discharge ..... 15kV  
 Contact discharge ..... 3kV

#### Safety

UL: UL 2089  
 CE: EN 60950



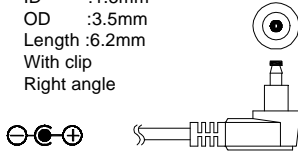
### Cable Series:

#### C101



##### Plug Spec:

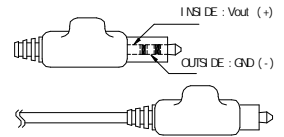
ID :1.5mm  
OD :3.5mm  
Length :6.2mm  
With clip  
Right angle



#### C106



##### Plug Spec:

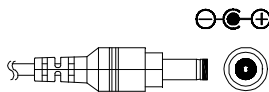


#### C102



##### Plug Spec:

ID :2.0mm  
OD :5.5mm  
Length :12mm  
With clip

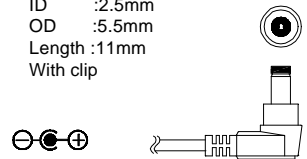


#### C107



##### Plug Spec:

ID :2.5mm  
OD :5.5mm  
Length :11mm  
With clip

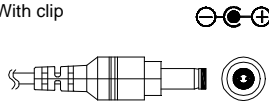


#### C103



##### Plug Spec:

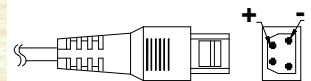
ID :2.5mm  
OD :5.5mm  
Length :12mm  
With clip



#### C108



##### Plug Spec:

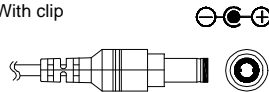


#### C104



##### Plug Spec:

ID :2.8mm  
OD :6.6mm  
Length :12mm  
With clip

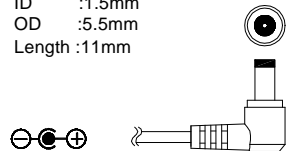


#### C109



##### Plug Spec:

ID :1.5mm  
OD :5.5mm  
Length :11mm

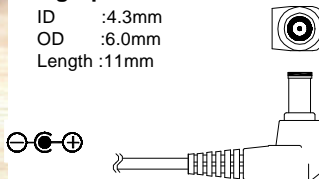


#### C105



##### Plug Spec:

ID :4.3mm  
OD :6.0mm  
Length :11mm



#### C110



##### Plug Spec:

ID :2.0mm  
OD :5.5mm  
Length :10mm  
With clip

