

# ZVC SERIES

AC / DC Single Output: 25~90 Watts



## Features

- Universal input: 90 ~ 264vac 90 watt models
- Auto Ranging input: 25 ~ 65 watt models
- High power density: 8 watts per cubic inch
- Ultra miniature package / low weight
- Meets international EMC standards
- CE and C-Tick marked
- International Safety Approvals
- Field proven design topology
- MTBF > 100,000 hrs
- OVP and Overload protection
- **Medical Grade Options:** consult office
- Suitable for a wide range of Industrial, Telecommunications and Data Networking applications

## Specifications:

Input Voltage	90 ~132 / 180 ~ 264VAC ( Auto-ranging FS & SG Models ) 90 ~ 264VAC NS models
Efficiency	Model dependent: 82 ~ 92%
Frequency	47 – 63Hz
Input Current ( @ 100vac )	FS models 1.1A SG models 1.5A NS models 1.5A
Leakage Current	< 250 $\mu$ A
Harmonic Currents	NS models EN61000-3-2
Output Power	25 – 90 watts refer to table
Output Voltage	5 – 48vdc refer to table
Voltage Adjustment	N/A
Minimum Load -FS	5V models 0.5A,9V models 0.2A Other models zero
Minimum Load – SG/NS	Zero
Hold Up Time	Model dependent < 30ms
Output Voltage Set Accuracy	< 5%
Output Rise time	Model dependent 10ms to 2s
Line Regulation	< 0.5%
Load regulation	Minimum to Full load < 5%
Transient Response	10% to Full Load, voltage Deviation <5% recovery time <5ms

Over Voltage Protection	Yes all models
Overload Protection	Yes all models
Short Circuit Protection	Auto Recovery <3s
Ripple & Noise	<1.5% output voltage pk-pk
CE Mark	YES
EMC Emissions	EN55022-B, CISPR22-B
EMC Susceptibility	EN61000-4-2, -4-5 level 3
Safety Approvals	EN60950, UL1950
Insulation	Class II double insulated
Isolation	Input – output : 3000vac Output – Ground: 500vdc
Operating Temperature	0°C to +40°C at full load Derate 2.5% per °C from 40° 50°C
Cooling	Convection cooled
Humidity	5-95% non condensing
Indicator	None
Input Connector	IEC320 C8 two pin Optional mains power cord.
Output Connector	Right angle, barrel plug 2.54mm ID, 5.49mm OD, 9.6mm length Centre positive
Dimensions	FS models: 45 x 90 x 24mm SG models: 107 x 44 x 30mm NS models: 58 x 133 x 30mm
Weight	FS & SG models: 200g NS models: 290g

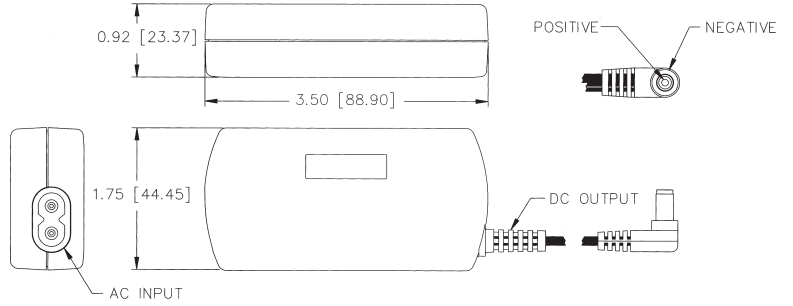


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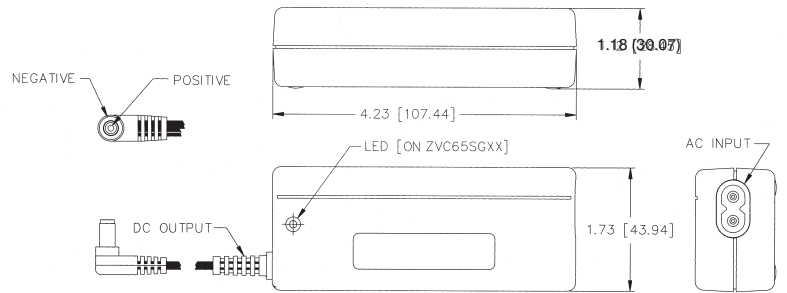
## FS Models

Model	Output		Power W
	V	A	
ZVC20FS05E	5V	4.0A	20W
ZVC36FS12E	12V	3.0A	36W
ZVC36FS15E	15V	2.4A	36W
ZVC36FS24E	24V	1.5A	36W
ZVC45FS19E	19V	2.36A	45W
ZVC45FS24E	24V	1.87A	45W



## SG Models

Model	Output		Power W
	V	A	
ZVC45SG12E	12V	3.75A	45W
ZVC55SG15E	15V	3.66A	55W
ZVC65SG19E	19V	3.4A	65W
ZVC65SG24E	24V	2.7A	65W
ZVC65SG48E	48V	1.35A	65W



## NS Models

Model	Output		Power W
	V	A	
ZVC90NS12E	12V	6.66A	80W
ZVC90NS15E	15V	5.33A	80W
ZVC90NS19E	19V	4.7A	90W
ZVC90NS24E	24V	3.75A	90W
ZVC90NS48E	48V	1.87A	90W

