

# EM1019 Series

## AC/DC Medical Interchangeable Plug

• 15~24Watts Max.



### Features

- DoE Compliance
- RoHS Compliance
- Over Voltage Protective Installation
- Over Current Protective Installation
- Short Circuit Protective Installation
- Protection Type: Recovery
- MTBF > 100,000 hours

### EM1019 X Y R T- vv PP

- x:** Output range  
**Y:** Case type V (Vertical)  
**R:** AC Plug type: • U: USA • E: EU • K: UK • A: SAA • C: CHINA  
 • S: South Africa  
**T:** Output type: • S (SR)  
**vv:** Specified output voltage, ie 24 is 24Vdc  
**PP:** Connector type, ie 01 for EDACPOWER standard  
 dc cable or please refer to the appendix page

### Electrical Specifications

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1019AVRS	15W	5-8V	0A	3.0A	± 5%	± 1%	100mV
EM1019BVRS	20W	9-13v	0A	2.0A	± 5%	± 1%	180mV
EM1019CVRS	20W	14-19v	0A	1.42	± 5%	± 1%	200mV
EM1019DVRS	20W	20-27V	0A	1.0A	± 5%	± 1%	250mV
EM1019EVRS	20W	28-35V	0A	0.71A	± 5%	± 1%	280mV
EM1019FVRS	20W	36-48V	0A	0.55A	± 5%	± 1%	360mV
EM1019GVRS	18W	5-8V	0A	3.0A	± 5%	± 1%	100mV
EM1019HVRS	24W	9-13v	0A	2.0A	± 5%	± 1%	180mV
EM1019JVRS	24W	14-19v	0A	1.71A	± 5%	± 1%	200mV
EM1019KVRS	24W	20-27V	0A	1.2A	± 5%	± 1%	250mV
EM1019MVRS	24W	28-35V	0A	0.85A	± 5%	± 1%	280mV
EM1019NVRS	24W	36-48V	0A	0.66A	± 5%	± 1%	360mV

#### NOTE:

- 1 : Ripple & noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- 2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
- 3 : Max. Output Power (W) ≥ Vo x Io

### Electrical Specifications

#### INPUT

- Input Range 100Vac to 240 VAC
- Frequency 50 to 60Hz
- Input Current ≤0.8A
- Inrush Current ≤80A at 230 Vac At cold start, maximum load
- Turn On Time ≤3S

#### OUTPUT

- Over Voltage Protection Auto Recovery
- Short Circuit Protection Auto Recovery
- Over Current Protection Auto Recovery
- Efficiency Meet CEC Level VI (DoE)
- No Load power ≤0.1W

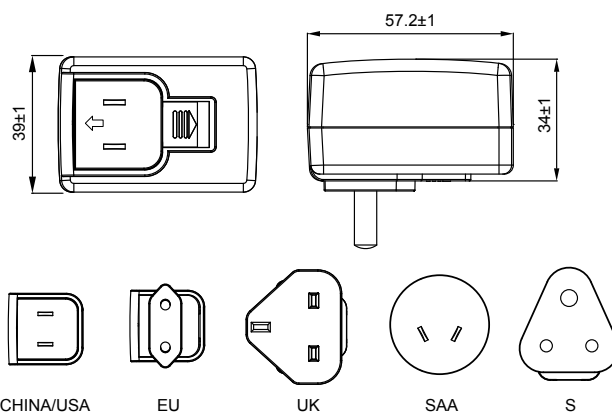
#### ENVIRONMENTAL

- Operating Temperature 0 to 40°C
- Storage Temperature -20 to 85°C
- Storage Humidity 5% to 90%

#### SAFETY

- UL/cUL, UL60601, TUV EN60601, CB 60601, CE, FCC

### Mechanical Specification



- Case Size: 57.2L x 39W x 34H (mm)
- AC Plug: U: USA, C: CHINA, E: EU, K: UK, A: SAA, S: South Africa
- Weight: 150g