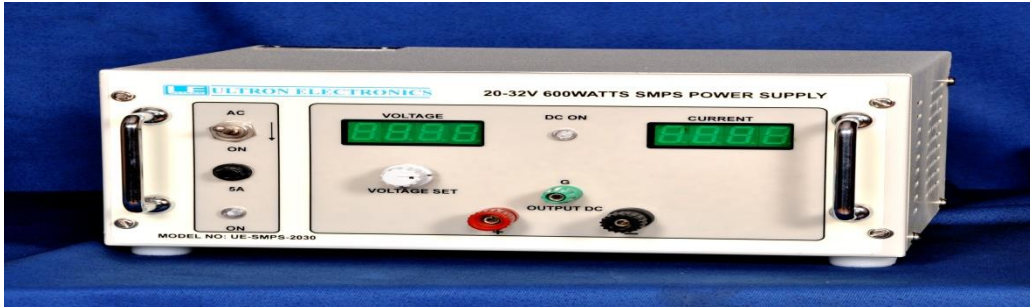


## SWITCH MODE POWER SUPPLY (SMPS)



### SPECIFICATIONS FOR 5V/50A SMPS

- |     |                       |   |   |
|-----|-----------------------|---|---|
| 01. | INPUT VOLTAGE         | : | 200V AC to 270V AC, 50Hz Single Phase   |
| 02. | OUTPUT VOLTAGE        | : | 5V  |
| 03. | OUTPUT CURRENT        | : | 50A Max   |
| 04. | LINE REGULATION       | : | 1%  |
| 05. | LOAD REGULATION       | : | 1%  |
| 06. | RIPPLE-RMS            | : | 100mV RMS   |
| 07. | EFFICIENCY            | : | Better than 80%   |
| 08. | PROTECTIONS           | : | (a) Unit is protected against input surges<br>(b) Input is protected through AC Fuse<br>(c) Output is protected against over loads and continuous short circuits.                                     |
| 09. | INDICATIONS           | : | (a) LED for Input AC ON<br>(b) LED for Float Charge<br>(c) LED for Boost Charge<br>(d) 3 ½ Digit digital voltmeter & current<br>Meter will be provided to read charging voltage & current separately. |
| 10. | CONTROLS              | : | (a) One ON/OFF switch to ON/OFF the unit.   |
| 11. | TERMINATION           | : | Output is terminated on Banana Sockets mounted on Front Panel   |
| 12. | OPERATING TEMPERATURE | : | 0°C to 50°C   |
| 13. | HUMIDITY              | : | 95% RH  |
| 14. | COOLING               | : | Forced air cooling  |



## **SPECIFICATIONS FOR 20-30V/30A SMPS**

- |     |                       |   |   |
|-----|-----------------------|---|---|
| 01. | INPUT VOTLAGE         | : | 200V Ac to 270V AC, 50Hz Single Phase   |
| 02. | OUTPUT VOLTAGE        | : | 20V to 30V  |
| 03. | OUTPUT CURRENT        | : | 30A Max   |
| 04. | LINE REGULATION       | : | 1%  |
| 05. | LOAD REGULATION       | : | 1%  |
| 06. | RIPPLE-RMS            | : | 100mV RMS   |
| 07. | EFFICIENCY            | : | Better than 80%   |
| 08. | PROTECTIONS           | : | (a) Unit is protected against input surges<br>(b) Input is protected through AC Fuse<br>(c) Output is protected against over loads and continuous short circuits.                                   |
| 09. | INDICATIONS           | : | (a) LED for Input AC ON<br>(b) LED for Float Charge<br>© LED for Boost Charge<br>(d) 3 ½ Digit digital voltmeter & current<br>Meter will be provided to read charging voltage & current separately. |
| 10. | CONTROLS              | : | (a) One ON/OFF switch to ON/OFF the unit.   |
| 11. | TERMINATION           | : | Output is terminated on Banana Sockets mounted on Front Panel   |
| 12. | OPERATING TEMPERATURE | : | 0°C to 50°C   |
| 13. | HUMIDITY              | : | 95% RH  |
| 14. | COOLING               | : | Forced air cooling  |



## **SPECIFICATIONS FOR 48V/15A SMPS**

- |     |                       |   |   |
|-----|-----------------------|---|---|
| 01. | INPUT VOTLAGE         | : | 200V Ac to 270V AC, 50Hz Single Phase   |
| 02. | OUTPUT VOLTAGE        | : | 48V   |
| 03. | OUTPUT CURRENT        | : | 15A Max   |
| 04. | LINE REGULATION       | : | 1%  |
| 05. | LOAD REGULATION       | : | 1%  |
| 06. | RIPPLE-RMS            | : | 100mV RMS   |
| 07. | EFFICIENCY            | : | Better than 80%   |
| 08. | PROTECTIONS           | : | (a) Unit is protected against input surges<br>(b) Input is protected through AC Fuse<br>(c) Output is protected against over loads and continuous short circuits.                                   |
| 09. | INDICATIONS           | : | (a) LED for Input AC ON<br>(b) LED for Float Charge<br>© LED for Boost Charge<br>(d) 3 ½ Digit digital voltmeter & current<br>Meter will be provided to read charging voltage & current separately. |
| 10. | CONTROLS              | : | (a) One ON/OFF switch to ON/OFF the unit.   |
| 11. | TERMINATION           | : | Output is terminated on Banana Sockets mounted on Front Panel   |
| 12. | OPERATING TEMPERATURE | : | 0°C to 50°C   |
| 13. | HUMIDITY              | : | 95% RH  |
| 14. | COOLING               | : | Forced air cooling  |



## **SPECIFICATION FOR 50/7A SWITCH MODE POWER SUPPLY**

01. MODEL : UE-SMPS-5007  
02. DC OUTPUT VOLTAGE : 50V  
03. OUTPUT CURRENT : 7A  
04. RIPPLE & NOISE : 100mv RMS

### **OUTPUT**

05. VOLTAGE TOLERANCE :  $\pm 1.0\%$   
06. LINE REGULATION :  $\pm 0.5\%$   
07. LOAD REGULATION :  $\pm 0.5\%$   
08. SETUP, RISE TIME : 300ms, at full load  
09. FREQUENCY RANGE : 47-63HZ  
10. EFFICIENCY (Typ) :  $\geq 83\%$

### **INPUT**

11. AC CURRENT (typ.) : 1.8A/230V AC  
12. INRUSH CURRENT : Cold Start 50A/230V  
13. LEAKAGE CURRENT : 3.5mA/240V AC  
14. OVER LOAD : 105-120% rated output power  
Protection type: Hiccup mode, recovers automatically after fault condition

### **PROTECTION**

15. OVER VOLTAGE : Over Voltage Protection will be provided  
16. WORKING TEMP : 0 -  $+50^{\circ}\text{C}$   
17. WORKING HUMIDITY : 20-90% RH non-condensing  
18. ENVIRONMENT STORAGE TEMP. HUMIDITY:  $-20$  to  $+85^{\circ}\text{C}$ , 10-95% RH

### **FEATURES:**

- High Efficiency, low operating temperature
- Built-in EMI filter
- Protection: Over Load, short circuit
- Storage Temperature:  $0-5^{\circ}\text{C}$
- Dimensions: 215X117X52mm



## **ULTRON ELECTRONICS**

Plot No.1-9-423/22, Parimala Nagar Extn, Opp. Mandala  
Laxamma Garden function hall, ECIL Post, Hyderabad 500 062, INDIA.

Contact No: 040- 42025909

Contact Person : **P RAMA RAO**

E-mail: [sales@ultronelectronics.in](mailto:sales@ultronelectronics.in) [info@ultronelectronics.in](mailto:info@ultronelectronics.in)