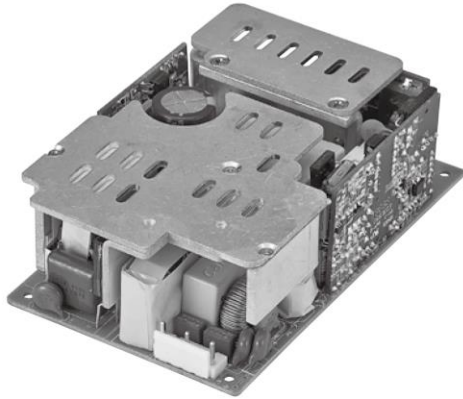




**100~120W Open Frame type Single output power supply < EP1200**

Single Output / Dual Output /  
 Triple Output / Quad Output



**Features**

- Active PFC Function
- High Efficiency
- CEC Compliance
- RoHS Compliance
- Over Voltage Protective Installation
- Over Current Protective Installation
- Short Circuit Protective Installation
- 100% Burn-In
- 100% Hi-Pot Tested
- MTBF > 50,000 hours

**EP V WWW XX Y Z**

- V:** The number of output group
- WWW:** Total Power
- XX :** Main Power voltage
- Y:** Secondary voltage coding
- Z:** Serial number

**Electrical Specifications**

| MODEL NO.     | OUTPUT POWER (W) | OUTPUT NO. | OUTPUT VOLTAGE (Vdc) | OUTPUT LOAD (A) | LOAD REGULATION | RIPPLE & NOISE          |
|---------------|------------------|------------|----------------------|-----------------|-----------------|-------------------------|
| Single output | EP1WWWXXYZ       | 100~200W   | Main Power           | 5~56V           | 2.59~20A        | ± 3% Max. 2% Max.       |
| Dual output   | EP2WWWXXYZ       | 100~180W   | Main Power/DC-DC     | 5~56V           | 2.48~18.0A      | ± 3% Max. 2% Max.       |
|               |                  |            | Stand-by or -12V     | 5Vsb or ~12V    | 0~2A or 0~0.5A  | ± 3 or 10% Max. 2% Max. |
| Triple output | EP3WWWXXYZ       | 100~175W   | Main Power           | 10~56V          | 2.63~13.3A      | ± 3% Max. 2% Max.       |
|               |                  |            | Stand-by Power       | 5Vsb            | 0~2A            | ± 3% Max. 2% Max.       |
|               |                  |            | DC-DC or -12V        | 5/12V or ~12V   | 0~5A or 0~0.5A  | ± 3 or 10% Max. 2% Max. |
| Quad output   | EP4WWWXXYZ       | 100~175W   | Main Power           | 10~24V          | 3.0~11.16A      | ± 3% Max. 2% Max.       |
|               |                  |            | DC - DC Power        | 5,12V           | 0~5A or 0~0.5A  | ± 3% Max. 2% Max.       |
|               |                  |            | -12V Power           | -12V            | 0~0.5A          | ± 10% Max. 2% Max.      |
|               |                  |            | Stand-by Power       | 5Vsb            | 0~2A            | ± 3% Max. 2% Max.       |

**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. Power (W) ≥Vo x Io

**Electrical Specifications**

**INPUT**

- Input Range 90-264Vac
- Input Current ≤2.5A
- Inrush Current ≤120A peak @230VAC, cold start@25°C
- Efficiency ≤85% depends on models. Meet CEC Level V.
- Turn On Time ≤3S

**OUTPUT**

- Over Voltage Protection Latch off
- Short Circuit Protection Latch off
- Over Current Protection Latch off

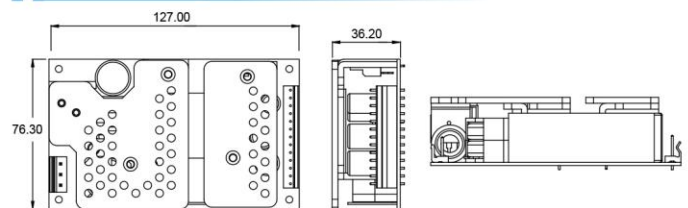
**ENVIRONMENTAL**

- Operating Temperature 0 to 50°C
- Storage Temperature -20 to 85°C
- Storage Humidity 5% to 95 %

**SAFETY**

- UL/CUL, TUV, CB, CE, FCC

**Mechanical Specification**



- Mechanical Size: 127.0 x 76.3 x 36.2 (mm)
- AC Input Connector CON1 : JST/B5P-VH Series or equivalent
- DC Output Connector CON2 : JST/B13P-VH Series or equivalent
- DC Output Connector CON3 : CKM/20010203-6 or equivalent
- Pin Assignment:

CON1 :

|    |    |     |
|----|----|-----|
| P1 | P3 | P5  |
| L  | N  | F.G |

CON2 :

|       |      |       |        |        |
|-------|------|-------|--------|--------|
| P1    | P2-5 | P6-9  | P10-11 | P12-13 |
| Vout3 | GND  | Vout1 | GND    | Vout4  |

CON3 :

|         |       |       |      |
|---------|-------|-------|------|
| P1      | P2    | P3-4  | P5-6 |
| P.G/P.F | PS/ON | Vout2 | GND  |

- Weight: 450g



E-Star Power Development Co., Ltd. (E-STAR)  
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 22069, Taiwan (R.O.C.)  
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**100~120W Open Frame type Single output power supply < EP1200**

**E P V WWW XX Y Z**



| P                 | V                      | WWW                 | XX  | Y  | Z                           |
|-------------------|------------------------|---------------------|---|--|-----------------------------|
| TYPE              | NUMBER OF OUTPUT GROUP | TOTAL POWER VOLTAGE | MAIN - POWER VOLTAGE  | 0~9~A~Z  | 0~9~A~Z                     |
| ITE<br>Open Frame | 1~4                    | 100~200             | 05=5V 24=24V<br>12=12V 36=36V<br>18=18V 48=48V<br>19=19V 56=56V | 0=NA<br>A=Stand by<br>B=-12V<br>C=Standby+(-12V)<br>D=PCB 160x76.3mm | 0=NA<br>A=5V/5A<br>B=12V/5A |

| MODEL NAME                  | MAIN- POWER |        |        | STAND BY- POWER |        |        | -12V POWER |        |        | DC TO DC POWER |        |        | TOTAL POWER |
|-----------------------------|-------------|--------|--------|-----------------|--------|--------|------------|--------|--------|----------------|--------|--------|-------------|
|                             | Vo1(V)      | Io1(I) | Wo1(W) | Vo2(V)          | Io2(I) | Wo2(W) | Vo3(V)     | Io3(I) | Wo3(W) | Vo4(V)         | Io4(I) | Wo4(W) |             |
| EP11000500                  | 5           | 20.00  | 100    |                 |        |        |            |        |        |                |        |        | 100         |
| EP11100900                  | 9           | 12.22  | 110    |                 |        |        |            |        |        |                |        |        | 110         |
| EP11350900                  | 9           | 15.00  | 135    |                 |        |        |            |        |        |                |        |        | 135         |
| EP11251000                  | 10          | 12.50  | 125    |                 |        |        |            |        |        |                |        |        | 125         |
| EP11501000                  | 10          | 15.00  | 150    |                 |        |        |            |        |        |                |        |        | 150         |
| EP11251100                  | 11          | 11.36  | 125    |                 |        |        |            |        |        |                |        |        | 125         |
| EP11651100                  | 11          | 15.00  | 165    |                 |        |        |            |        |        |                |        |        | 165         |
| EP11501200                  | 12          | 12.50  | 150    |                 |        |        |            |        |        |                |        |        | 150         |
| EP115012E0                  | 12          | 12.50  | 150    |                 |        |        |            |        |        |                |        |        | 150         |
| EP11801200                  | 12          | 15.00  | 180    |                 |        |        |            |        |        |                |        |        | 180         |
| EP11251500                  | 15          | 8.33   | 125    |                 |        |        |            |        |        |                |        |        | 125         |
| EP11501500                  | 15          | 10.00  | 150    |                 |        |        |            |        |        |                |        |        | 150         |
| EP11251600                  | 16          | 7.81   | 125    |                 |        |        |            |        |        |                |        |        | 125         |
| EP11501600                  | 16          | 9.37   | 150    |                 |        |        |            |        |        |                |        |        | 150         |
| EP11501700                  | 17          | 8.23   | 150    |                 |        |        |            |        |        |                |        |        | 150         |
| EP11751700                  | 17          | 10.00  | 175    |                 |        |        |            |        |        |                |        |        | 175         |
| EP11351800                  | 18          | 7.50   | 135    |                 |        |        |            |        |        |                |        |        | 135         |
| EP11501800                  | 18          | 8.33   | 150    |                 |        |        |            |        |        |                |        |        | 150         |
| EP11801800                  | 18          | 10.00  | 180    |                 |        |        |            |        |        |                |        |        | 180         |
| EP11501900                  | 19          | 7.89   | 150    |                 |        |        |            |        |        |                |        |        | 150         |
| EP11801900                  | 19          | 9.47   | 180    |                 |        |        |            |        |        |                |        |        | 180         |
| EP12001900                  | 19          | 10.52  | 200    |                 |        |        |            |        |        |                |        |        | 200         |
| EP11352200                  | 22          | 6.13   | 135    |                 |        |        |            |        |        |                |        |        | 135         |
| EP11502200                  | 22          | 6.81   | 150    |                 |        |        |            |        |        |                |        |        | 150         |
| EP11802200                  | 22          | 8.18   | 180    |                 |        |        |            |        |        |                |        |        | 180         |
| EP11402300                  | 23          | 6.08   | 140    |                 |        |        |            |        |        |                |        |        | 140         |
| EP11502300                  | 23          | 6.52   | 150    |                 |        |        |            |        |        |                |        |        | 150         |
| EP11802300                  | 23          | 7.82   | 180    |                 |        |        |            |        |        |                |        |        | 180         |
| Single output<br>EP11502400 | 24          | 6.25   | 150    |                 |        |        |            |        |        |                |        |        | 150         |
| EP11802400                  | 24          | 7.50   | 180    |                 |        |        |            |        |        |                |        |        | 180         |
| EP12002400                  | 24          | 8.33   | 200    |                 |        |        |            |        |        |                |        |        | 200         |
| EP11403400                  | 34          | 4.11   | 140    |                 |        |        |            |        |        |                |        |        | 140         |
| EP11503400                  | 34          | 4.41   | 150    |                 |        |        |            |        |        |                |        |        | 150         |
| EP11803400                  | 34          | 5.29   | 180    |                 |        |        |            |        |        |                |        |        | 180         |
| EP11403500                  | 35          | 4.00   | 140    |                 |        |        |            |        |        |                |        |        | 140         |
| EP11503500                  | 35          | 4.28   | 150    |                 |        |        |            |        |        |                |        |        | 150         |
| EP11953500                  | 35          | 5.57   | 180    |                 |        |        |            |        |        |                |        |        | 195         |
| EP11503600                  | 36          | 4.16   | 150    |                 |        |        |            |        |        |                |        |        | 150         |
| EP11803600                  | 36          | 5.00   | 180    |                 |        |        |            |        |        |                |        |        | 180         |
| EP12003600                  | 36          | 5.56   | 200    |                 |        |        |            |        |        |                |        |        | 200         |
| EP11404600                  | 46          | 3.04   | 140    |                 |        |        |            |        |        |                |        |        | 140         |
| EP11504600                  | 46          | 3.26   | 150    |                 |        |        |            |        |        |                |        |        | 150         |
| EP11804600                  | 46          | 3.91   | 180    |                 |        |        |            |        |        |                |        |        | 180         |
| EP11404700                  | 47          | 2.97   | 140    |                 |        |        |            |        |        |                |        |        | 140         |
| EP11504700                  | 47          | 3.19   | 150    |                 |        |        |            |        |        |                |        |        | 150         |
| EP11804700                  | 47          | 3.83   | 180    |                 |        |        |            |        |        |                |        |        | 180         |
| EP11504800                  | 48          | 3.12   | 150    |                 |        |        |            |        |        |                |        |        | 150         |
| EP11804800                  | 48          | 3.75   | 180    |                 |        |        |            |        |        |                |        |        | 180         |
| EP12004800                  | 48          | 4.16   | 200    |                 |        |        |            |        |        |                |        |        | 200         |
| EP11405400                  | 54          | 2.59   | 140    |                 |        |        |            |        |        |                |        |        | 140         |
| EP11505400                  | 54          | 2.77   | 150    |                 |        |        |            |        |        |                |        |        | 150         |
| EP11805400                  | 54          | 3.33   | 180    |                 |        |        |            |        |        |                |        |        | 180         |
| EP11455500                  | 55          | 2.63   | 145    |                 |        |        |            |        |        |                |        |        | 145         |
| EP11505500                  | 55          | 2.72   | 150    |                 |        |        |            |        |        |                |        |        | 150         |
| EP11805500                  | 55          | 3.27   | 180    |                 |        |        |            |        |        |                |        |        | 180         |
| EP11505600                  | 56          | 2.67   | 150    |                 |        |        |            |        |        |                |        |        | 150         |
| EP11805600                  | 56          | 3.21   | 180    |                 |        |        |            |        |        |                |        |        | 180         |
| EP12005600                  | 56          | 3.57   | 200    |                 |        |        |            |        |        |                |        |        | 200         |



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**100~120W Open Frame type Single output power supply < EP1200**

| MODEL NAME | MAIN- POWER |        |        | STAND BY- POWER |        |        | -12V POWER |        |        | DC TO DC POWER |        |        | TOTAL POWER |
|------------|-------------|--------|--------|-----------------|--------|--------|------------|--------|--------|----------------|--------|--------|-------------|
|            | Vo1(V)      | Io1(I) | Wo1(W) | Vo2(V)          | Io2(I) | Wo2(W) | Vo3(V)     | Io3(I) | Wo3(W) | Vo4(V)         | Io4(I) | Wo4(W) |             |
| EP210005A0 | 5           | 18.00  | 90     | 5               | 2      | 10     |            |        |        |                |        |        | 100         |
| EP211509A0 | 9           | 11.67  | 105    | 5               | 2      | 10     |            |        |        |                |        |        | 115         |
| EP213809A0 | 9           | 14.17  | 128    | 5               | 2      | 10     |            |        |        |                |        |        | 138         |
| EP212610A0 | 10          | 11.60  | 116    | 5               | 2      | 10     |            |        |        |                |        |        | 126         |
| EP215210A0 | 10          | 14.17  | 142    | 5               | 2      | 10     |            |        |        |                |        |        | 152         |
| EP213811A0 | 11          | 11.63  | 128    | 5               | 2      | 10     |            |        |        |                |        |        | 138         |
| EP216611A0 | 11          | 14.17  | 156    | 5               | 2      | 10     |            |        |        |                |        |        | 166         |
| EP215012A0 | 12          | 11.67  | 140    | 5               | 2      | 10     |            |        |        |                |        |        | 150         |
| EP218012A0 | 12          | 14.16  | 170    | 5               | 2      | 10     |            |        |        |                |        |        | 180         |
| EP212015A0 | 15          | 7.33   | 110    | 5               | 2      | 10     |            |        |        |                |        |        | 120         |
| EP214415A0 | 15          | 8.95   | 134    | 5               | 2      | 10     |            |        |        |                |        |        | 144         |
| EP212716A0 | 16          | 7.31   | 117    | 5               | 2      | 10     |            |        |        |                |        |        | 127         |
| EP215316A0 | 16          | 8.95   | 143    | 5               | 2      | 10     |            |        |        |                |        |        | 153         |
| EP213517A0 | 17          | 7.35   | 125    | 5               | 2      | 10     |            |        |        |                |        |        | 135         |
| EP216317A0 | 17          | 8.95   | 152    | 5               | 2      | 10     |            |        |        |                |        |        | 162         |
| EP214218A0 | 18          | 7.33   | 132    | 5               | 2      | 10     |            |        |        |                |        |        | 142         |
| EP217118A0 | 18          | 8.95   | 161    | 5               | 2      | 10     |            |        |        |                |        |        | 171         |
| EP215019A0 | 19          | 7.36   | 140    | 5               | 2      | 10     |            |        |        |                |        |        | 150         |
| EP218019A0 | 19          | 8.94   | 170    | 5               | 2      | 10     |            |        |        |                |        |        | 180         |
| EP213822A0 | 22          | 5.81   | 128    | 5               | 2      | 10     |            |        |        |                |        |        | 138         |
| EP216622A0 | 22          | 7.08   | 156    | 5               | 2      | 10     |            |        |        |                |        |        | 166         |
| EP214423A0 | 23          | 5.82   | 134    | 5               | 2      | 10     |            |        |        |                |        |        | 144         |
| EP217323A0 | 23          | 7.08   | 163    | 5               | 2      | 10     |            |        |        |                |        |        | 173         |
| EP215024A0 | 24          | 5.83   | 140    | 5               | 2      | 10     |            |        |        |                |        |        | 150         |
| EP218024A0 | 24          | 7.08   | 170    | 5               | 2      | 10     |            |        |        |                |        |        | 180         |
| EP214234A0 | 34          | 3.88   | 132    | 5               | 2      | 10     |            |        |        |                |        |        | 142         |
| EP217034A0 | 34          | 4.72   | 160    | 5               | 2      | 10     |            |        |        |                |        |        | 170         |
| EP214535A0 | 35          | 3.85   | 135    | 5               | 2      | 10     |            |        |        |                |        |        | 145         |
| EP217535A0 | 35          | 4.72   | 165    | 5               | 2      | 10     |            |        |        |                |        |        | 175         |
| EP215036A0 | 36          | 3.88   | 140    | 5               | 2      | 10     |            |        |        |                |        |        | 150         |
| EP218036A0 | 36          | 4.72   | 170    | 5               | 2      | 10     |            |        |        |                |        |        | 180         |
| EP214346A0 | 46          | 2.89   | 133    | 5               | 2      | 10     |            |        |        |                |        |        | 143         |
| EP217346A0 | 46          | 3.54   | 163    | 5               | 2      | 10     |            |        |        |                |        |        | 173         |
| EP214547A0 | 47          | 2.87   | 135    | 5               | 2      | 10     |            |        |        |                |        |        | 145         |
| EP217647A0 | 47          | 3.54   | 166    | 5               | 2      | 10     |            |        |        |                |        |        | 176         |
| EP215048A0 | 48          | 2.91   | 140    | 5               | 2      | 10     |            |        |        |                |        |        | 150         |
| EP218048A0 | 48          | 3.54   | 170    | 5               | 2      | 10     |            |        |        |                |        |        | 180         |
| EP214454A0 | 54          | 2.48   | 134    | 5               | 2      | 10     |            |        |        |                |        |        | 144         |
| EP217454A0 | 54          | 3.04   | 164    | 5               | 2      | 10     |            |        |        |                |        |        | 174         |
| EP214755A0 | 55          | 2.49   | 137    | 5               | 2      | 10     |            |        |        |                |        |        | 147         |
| EP217755A0 | 55          | 3.03   | 167    | 5               | 2      | 10     |            |        |        |                |        |        | 177         |
| EP215056A0 | 56          | 2.50   | 140    | 5               | 2      | 10     |            |        |        |                |        |        | 150         |
| EP218056A0 | 56          | 3.03   | 170    | 5               | 2      | 10     |            |        |        |                |        |        | 180         |
| EP215012B0 | 12          | 12.00  | 144    |                 |        |        | -12        | 0.5    | 6      |                |        |        | 150         |
| EP218012B0 | 12          | 14.50  | 174    |                 |        |        | -12        | 0.5    | 6      |                |        |        | 180         |
| EP215019B0 | 19          | 7.57   | 144    |                 |        |        | -12        | 0.5    | 6      |                |        |        | 150         |
| EP218019B0 | 19          | 9.15   | 174    |                 |        |        | -12        | 0.5    | 6      |                |        |        | 180         |
| EP215024B0 | 24          | 6.00   | 144    |                 |        |        | -12        | 0.5    | 6      |                |        |        | 150         |
| EP218024B0 | 24          | 7.25   | 174    |                 |        |        | -12        | 0.5    | 6      |                |        |        | 180         |
| EP218024DB | 24          | 6.00   | 144    |                 |        |        |            |        |        | 12             | 3      | 36     | 180         |
| EP215036B0 | 36          | 4.00   | 144    |                 |        |        | -12        | 0.5    | 6      |                |        |        | 150         |
| EP218036B0 | 36          | 4.83   | 174    |                 |        |        | -12        | 0.5    | 6      |                |        |        | 180         |
| EP215048B0 | 48          | 3.00   | 144    |                 |        |        | -12        | 0.5    | 6      |                |        |        | 150         |
| EP218048B0 | 48          | 3.62   | 174    |                 |        |        | -12        | 0.5    | 6      |                |        |        | 180         |
| EP215056B0 | 56          | 2.57   | 144    |                 |        |        | -12        | 0.5    | 6      |                |        |        | 150         |
| EP218056B0 | 56          | 3.10   | 174    |                 |        |        | -12        | 0.5    | 6      |                |        |        | 180         |
| EP313010AA | 10          | 9.50   | 95     | 5               | 2      | 10     |            |        |        | 5              | 5      | 25     | 130         |
| EP315010AA | 10          | 11.50  | 115    | 5               | 2      | 10     |            |        |        | 5              | 5      | 25     | 150         |
| EP314011AA | 11          | 9.54   | 105    | 5               | 2      | 10     |            |        |        | 5              | 5      | 25     | 140         |
| EP315011AA | 11          | 10.45  | 115    | 5               | 2      | 10     |            |        |        | 5              | 5      | 25     | 150         |
| EP315012AA | 12          | 9.58   | 115    | 5               | 2      | 10     |            |        |        | 5              | 5      | 25     | 150         |
| EP317512AA | 12          | 11.66  | 140    | 5               | 2      | 10     |            |        |        | 5              | 5      | 25     | 175         |
| EP312215AA | 15          | 5.80   | 87     | 5               | 2      | 10     |            |        |        | 5              | 5      | 25     | 122         |
| EP314615AA | 15          | 7.40   | 111    | 5               | 2      | 10     |            |        |        | 5              | 5      | 25     | 146         |
| EP312816AA | 16          | 5.81   | 93     | 5               | 2      | 10     |            |        |        | 5              | 5      | 25     | 128         |
| EP315316AA | 16          | 7.37   | 118    | 5               | 2      | 10     |            |        |        | 5              | 5      | 25     | 153         |
| EP313517AA | 17          | 5.88   | 100    | 5               | 2      | 10     |            |        |        | 5              | 5      | 25     | 135         |



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**100~120W Open Frame type Single output power supply < EP1200**

| MODEL NAME | MAIN- POWER |        |        | STAND BY- POWER |        |        | -12V POWER |        |        | DC TO DC POWER |        |        | TOTAL POWER |
|------------|-------------|--------|--------|-----------------|--------|--------|------------|--------|--------|----------------|--------|--------|-------------|
|            | Vo1(V)      | Io1(I) | Wo1(W) | Vo2(V)          | Io2(I) | Wo2(W) | Vo3(V)     | Io3(I) | Wo3(W) | Vo4(V)         | Io4(I) | Wo4(W) |             |
| EP316017AA | 17          | 7.37   | 125    | 5               | 2      | 10     |            |        |        | 5              | 5      | 25     | 160         |
| EP314218AA | 18          | 5.94   | 107    | 5               | 2      | 10     |            |        |        | 5              | 5      | 25     | 142         |
| EP316818AA | 18          | 7.38   | 133    | 5               | 2      | 10     |            |        |        | 5              | 5      | 25     | 168         |
| EP314518AB | 18          | 4.16   | 75     | 5               | 2      | 10     |            |        |        | 12             | 5      | 60     | 145         |
| EP316818AB | 18          | 5.44   | 98     | 5               | 2      | 10     |            |        |        | 12             | 5      | 60     | 168         |
| EP315019AA | 19          | 6.05   | 115    | 5               | 2      | 10     |            |        |        | 5              | 5      | 25     | 150         |
| EP317519AA | 19          | 7.36   | 140    | 5               | 2      | 10     |            |        |        | 5              | 5      | 25     | 175         |
| EP315019AB | 19          | 4.21   | 80     | 5               | 2      | 10     |            |        |        | 12             | 5      | 60     | 150         |
| EP317519AB | 19          | 5.52   | 105    | 5               | 2      | 10     |            |        |        | 12             | 5      | 60     | 175         |
| EP314022AA | 22          | 4.77   | 105    | 5               | 2      | 10     |            |        |        | 5              | 5      | 25     | 140         |
| EP315022AA | 22          | 5.22   | 115    | 5               | 2      | 10     |            |        |        | 5              | 5      | 25     | 150         |
| EP314122AB | 22          | 3.22   | 71     | 5               | 2      | 10     |            |        |        | 12             | 5      | 60     | 141         |
| EP316522AB | 22          | 4.31   | 95     | 5               | 2      | 10     |            |        |        | 12             | 5      | 60     | 165         |
| EP314523AA | 23          | 4.78   | 110    | 5               | 2      | 10     |            |        |        | 5              | 5      | 25     | 145         |
| EP316823AA | 23          | 5.78   | 133    | 5               | 2      | 10     |            |        |        | 5              | 5      | 25     | 168         |
| EP314523AB | 23          | 3.26   | 75     | 5               | 2      | 10     |            |        |        | 12             | 5      | 60     | 145         |
| EP317023AB | 23          | 4.34   | 100    | 5               | 2      | 10     |            |        |        | 12             | 5      | 60     | 170         |
| EP315024AA | 24          | 4.79   | 115    | 5               | 2      | 10     |            |        |        | 5              | 5      | 25     | 150         |
| EP317524AA | 24          | 5.83   | 140    | 5               | 2      | 10     |            |        |        | 5              | 5      | 25     | 175         |
| EP315024AB | 24          | 3.33   | 80     | 5               | 2      | 10     |            |        |        | 12             | 5      | 60     | 150         |
| EP317524AB | 24          | 4.37   | 105    | 5               | 2      | 10     |            |        |        | 12             | 5      | 60     | 175         |
| EP312510C0 | 10          | 10.90  | 109    | 5               | 2      | 10     | -12        | 0.5    | 6      |                |        |        | 125         |
| EP314910C0 | 10          | 13.30  | 133    | 5               | 2      | 10     | -12        | 0.5    | 6      |                |        |        | 149         |
| EP313511C0 | 11          | 10.81  | 119    | 5               | 2      | 10     | -12        | 0.5    | 6      |                |        |        | 135         |
| EP316211C0 | 11          | 13.27  | 146    | 5               | 2      | 10     | -12        | 0.5    | 6      |                |        |        | 162         |
| EP315012C0 | 12          | 11.16  | 134    | 5               | 2      | 10     | -12        | 0.5    | 6      |                |        |        | 150         |
| EP317512C0 | 12          | 13.25  | 159    | 5               | 2      | 10     | -12        | 0.5    | 6      |                |        |        | 175         |
| EP312015C0 | 15          | 6.93   | 104    | 5               | 2      | 10     | -12        | 0.5    | 6      |                |        |        | 120         |
| EP314215C0 | 15          | 8.40   | 126    | 5               | 2      | 10     | -12        | 0.5    | 6      |                |        |        | 142         |
| EP312516C0 | 16          | 6.81   | 109    | 5               | 2      | 10     | -12        | 0.5    | 6      |                |        |        | 125         |
| EP315016C0 | 16          | 8.37   | 134    | 5               | 2      | 10     | -12        | 0.5    | 6      |                |        |        | 150         |
| EP313517C0 | 17          | 7.00   | 119    | 5               | 2      | 10     | -12        | 0.5    | 6      |                |        |        | 135         |
| EP315817C0 | 17          | 8.37   | 142    | 5               | 2      | 10     | -12        | 0.5    | 6      |                |        |        | 158         |
| EP314218C0 | 18          | 7.00   | 126    | 5               | 2      | 10     | -12        | 0.5    | 6      |                |        |        | 142         |
| EP316718C0 | 18          | 8.38   | 151    | 5               | 2      | 10     | -12        | 0.5    | 6      |                |        |        | 167         |
| EP315019C0 | 19          | 7.05   | 134    | 5               | 2      | 10     | -12        | 0.5    | 6      |                |        |        | 150         |
| EP317519C0 | 19          | 8.36   | 159    | 5               | 2      | 10     | -12        | 0.5    | 6      |                |        |        | 175         |
| EP313522C0 | 22          | 5.40   | 119    | 5               | 2      | 10     | -12        | 0.5    | 6      |                |        |        | 135         |
| EP316222C0 | 22          | 6.63   | 146    | 5               | 2      | 10     | -12        | 0.5    | 6      |                |        |        | 162         |
| EP314023C0 | 23          | 5.39   | 124    | 5               | 2      | 10     | -12        | 0.5    | 6      |                |        |        | 140         |
| EP316823C0 | 23          | 6.63   | 152    | 5               | 2      | 10     | -12        | 0.5    | 6      |                |        |        | 168         |
| EP315024C0 | 24          | 5.58   | 134    | 5               | 2      | 10     | -12        | 0.5    | 6      |                |        |        | 150         |
| EP317524C0 | 24          | 6.62   | 159    | 5               | 2      | 10     | -12        | 0.5    | 6      |                |        |        | 175         |
| EP314034C0 | 34          | 3.64   | 124    | 5               | 2      | 10     | -12        | 0.5    | 6      |                |        |        | 140         |
| EP315034C0 | 34          | 3.94   | 134    | 5               | 2      | 10     | -12        | 0.5    | 6      |                |        |        | 150         |
| EP314035C0 | 35          | 3.54   | 124    | 5               | 2      | 10     | -12        | 0.5    | 6      |                |        |        | 140         |
| EP315035C0 | 35          | 3.82   | 134    | 5               | 2      | 10     | -12        | 0.5    | 6      |                |        |        | 150         |
| EP315036C0 | 36          | 3.72   | 134    | 5               | 2      | 10     | -12        | 0.5    | 6      |                |        |        | 150         |
| EP317536C0 | 36          | 4.41   | 159    | 5               | 2      | 10     | -12        | 0.5    | 6      |                |        |        | 175         |
| EP314046C0 | 46          | 2.69   | 124    | 5               | 2      | 10     | -12        | 0.5    | 6      |                |        |        | 140         |
| EP315046C0 | 46          | 2.91   | 134    | 5               | 2      | 10     | -12        | 0.5    | 6      |                |        |        | 150         |
| EP314047C0 | 47          | 2.63   | 124    | 5               | 2      | 10     | -12        | 0.5    | 6      |                |        |        | 140         |
| EP315047C0 | 47          | 2.85   | 134    | 5               | 2      | 10     | -12        | 0.5    | 6      |                |        |        | 150         |
| EP315048C0 | 48          | 2.79   | 134    | 5               | 2      | 10     | -12        | 0.5    | 6      |                |        |        | 150         |
| EP317548C0 | 48          | 3.54   | 159    | 5               | 2      | 10     | -12        | 0.5    | 6      |                |        |        | 175         |
| EP314054C0 | 54          | 3.82   | 124    | 5               | 2      | 10     | -12        | 0.5    | 6      |                |        |        | 140         |
| EP316954C0 | 54          | 3.72   | 153    | 5               | 2      | 10     | -12        | 0.5    | 6      |                |        |        | 169         |
| EP314555C0 | 55          | 4.41   | 129    | 5               | 2      | 10     | -12        | 0.5    | 6      |                |        |        | 145         |
| EP317255C0 | 55          | 2.69   | 156    | 5               | 2      | 10     | -12        | 0.5    | 6      |                |        |        | 172         |
| EP315056C0 | 56          | 2.91   | 134    | 5               | 2      | 10     | -12        | 0.5    | 6      |                |        |        | 150         |
| EP317556C0 | 56          | 2.63   | 159    | 5               | 2      | 10     | -12        | 0.5    | 6      |                |        |        | 175         |

Triple output



E-Star Power Development Co., Ltd. (E-STAR)

1F., No.40, Juren Ln., Sec. 2, Sanmin Rd., Banciao Dist., New Taipei City  
22069, Taiwan (R.O.C.)

Phone : 886-2-2957 5580 Fax : 886-2-2957 7473

**100~120W Open Frame type Single output power supply < EP1200**

| MODEL NAME | MAIN- POWER |        |        | STAND BY- POWER |        |        | -12V POWER |        |        | DC TO DC POWER |        |        | TOTAL POWER |
|------------|-------------|--------|--------|-----------------|--------|--------|------------|--------|--------|----------------|--------|--------|-------------|
|            | Vo1(V)      | Io1(I) | Wo1(W) | Vo2(V)          | Io2(I) | Wo2(W) | Vo3(V)     | Io3(I) | Wo3(W) | Vo4(V)         | Io4(I) | Wo4(W) |             |
| EP413010CA | 10          | 8.90   | 89     | 5               | 2      | 10     | -12        | 0.5    | 6      | 5              | 5      | 25     | 130         |
| EP415010CA | 10          | 10.90  | 109    | 5               | 2      | 10     | -12        | 0.5    | 6      | 5              | 5      | 25     | 150         |
| EP414011CA | 11          | 9.00   | 99     | 5               | 2      | 10     | -12        | 0.5    | 6      | 5              | 5      | 25     | 140         |
| EP415011CA | 11          | 9.90   | 109    | 5               | 2      | 10     | -12        | 0.5    | 6      | 5              | 5      | 25     | 150         |
| EP415012CA | 12          | 9.08   | 109    | 5               | 2      | 10     | -12        | 0.5    | 6      | 5              | 5      | 25     | 150         |
| EP417512CA | 12          | 11.60  | 134    | 5               | 2      | 10     | -12        | 0.5    | 6      | 5              | 5      | 25     | 175         |
| EP412715CA | 15          | 5.73   | 86     | 5               | 2      | 10     | -12        | 0.5    | 6      | 5              | 5      | 25     | 127         |
| EP414615CA | 15          | 7.00   | 105    | 5               | 2      | 10     | -12        | 0.5    | 6      | 5              | 5      | 25     | 146         |
| EP413216CA | 16          | 5.68   | 91     | 5               | 2      | 10     | -12        | 0.5    | 6      | 5              | 5      | 25     | 132         |
| EP415316CA | 16          | 7.00   | 112    | 5               | 2      | 10     | -12        | 0.5    | 6      | 5              | 5      | 25     | 153         |
| EP415017CA | 17          | 6.41   | 109    | 5               | 2      | 10     | -12        | 0.5    | 6      | 5              | 5      | 25     | 150         |
| EP416017CA | 17          | 7.00   | 119    | 5               | 2      | 10     | -12        | 0.5    | 6      | 5              | 5      | 25     | 160         |
| EP414418CA | 18          | 5.72   | 103    | 5               | 2      | 10     | -12        | 0.5    | 6      | 5              | 5      | 25     | 144         |
| EP416718CA | 18          | 7.00   | 126    | 5               | 2      | 10     | -12        | 0.5    | 6      | 5              | 5      | 25     | 167         |
| EP414618CA | 18          | 3.88   | 70     | 5               | 2      | 10     | -12        | 0.5    | 6      | 12             | 5      | 60     | 146         |
| EP416818CA | 18          | 5.11   | 92     | 5               | 2      | 10     | -12        | 0.5    | 6      | 12             | 5      | 60     | 168         |
| EP415019CA | 19          | 5.73   | 109    | 5               | 2      | 10     | -12        | 0.5    | 6      | 5              | 5      | 25     | 150         |
| EP417519CA | 19          | 7.05   | 134    | 5               | 2      | 10     | -12        | 0.5    | 6      | 5              | 5      | 25     | 175         |
| EP415019CB | 19          | 4.36   | 74     | 5               | 2      | 10     | -12        | 0.5    | 6      | 12             | 5      | 60     | 150         |
| EP417519CB | 19          | 5.21   | 99     | 5               | 2      | 10     | -12        | 0.5    | 6      | 12             | 5      | 60     | 175         |
| EP414022CA | 22          | 4.50   | 99     | 5               | 2      | 10     | -12        | 0.5    | 6      | 5              | 5      | 25     | 140         |
| EP416222CA | 22          | 5.50   | 121    | 5               | 2      | 10     | -12        | 0.5    | 6      | 5              | 5      | 25     | 162         |
| EP414322CA | 22          | 3.04   | 67     | 5               | 2      | 10     | -12        | 0.5    | 6      | 12             | 5      | 60     | 143         |
| EP416622CA | 22          | 4.09   | 90     | 5               | 2      | 10     | -12        | 0.5    | 6      | 12             | 5      | 60     | 166         |
| EP414523CA | 23          | 4.52   | 104    | 5               | 2      | 10     | -12        | 0.5    | 6      | 5              | 5      | 25     | 145         |
| EP416823CA | 23          | 5.52   | 127    | 5               | 2      | 10     | -12        | 0.5    | 6      | 5              | 5      | 25     | 168         |
| EP414523CA | 23          | 3.00   | 69     | 5               | 2      | 10     | -12        | 0.5    | 6      | 12             | 5      | 60     | 145         |
| EP417123CA | 23          | 4.13   | 95     | 5               | 2      | 10     | -12        | 0.5    | 6      | 12             | 5      | 60     | 171         |
| EP415024CA | 24          | 4.54   | 109    | 5               | 2      | 10     | -12        | 0.5    | 6      | 5              | 5      | 25     | 150         |
| EP417524CA | 24          | 5.58   | 134    | 5               | 2      | 10     | -12        | 0.5    | 6      | 5              | 5      | 25     | 175         |
| EP415024CB | 24          | 3.08   | 74     | 5               | 2      | 10     | -12        | 0.5    | 6      | 12             | 5      | 60     | 150         |
| EP417524CB | 24          | 4.12   | 99     | 5               | 2      | 10     | -12        | 0.5    | 6      | 12             | 5      | 60     | 175         |

Quad  
output