

# Runtime Charts

## Eaton 93E 15-80kVA UPS

### Eaton 93E 15-80 kVA UPS on-battery runtimes with different load ratings

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## Eaton 93E 15-80kVA UPS

### **93E 15kVA UPS**

#### **Internal batteries**

Power factor **0.7** on different load levels

| Battery | Quantity | 3 kVA | 5k VA | 10 kVA | 12kVA | 15 kVA |
|---------|----------|-------|-------|--------|-------|--------|
| 9Ah     | 1x32     | 48    | 26    | 11     | 9     | 6      |
| 9Ah     | 2x32     | 104   | 58    | 26     | 20    | 15     |

Power factor **0.8** on different load levels

| Battery | Quantity | 3 kVA | 5k VA | 10 kVA | 12kVA | 15 kVA |
|---------|----------|-------|-------|--------|-------|--------|
| 9Ah     | 1x32     | 40    | 22    | 9      | 7     | 5      |
| 9Ah     | 2x32     | 88    | 51    | 22     | 17    | 13     |

Power factor **0.9** on different load levels

| Battery | Quantity | 3 kVA | 5k VA | 10 kVA | 12kVA | 15 kVA |
|---------|----------|-------|-------|--------|-------|--------|
| 9Ah     | 1x32     | 35    | 19    | 8      | 6     | 4      |
| 9Ah     | 2x32     | 79    | 44    | 19     | 15    | 11     |

#### **External batteries**

Power factor **0.7** on different load levels

| Battery | Quantity | 3 kVA | 5k VA | 10 kVA | 12kVA | 15 kVA |
|---------|----------|-------|-------|--------|-------|--------|
| 9Ah     | 3x32     | 171   | 90    | 42     | 34    | 26     |
| 9Ah     | 4x32     | 242   | 131   | 58     | 48    | 36     |
| 9Ah     | 5x32     | 315   | 171   | 76     | 60    | 48     |
| 9Ah     | 6x32     | 393   | 215   | 90     | 76    | 58     |
|         |          |       |       |        |       |        |
| 7Ah LL  | 2x32     | 96    | 56    | 26     | 20    | 13     |
| 7Ah LL  | 3x32     | 164   | 86    | 44     | 34    | 26     |
| 7Ah LL  | 4x32     | 250   | 118   | 56     | 49    | 37     |
| 7Ah LL  | 5x32     | 329   | 164   | 71     | 58    | 49     |
| 7Ah LL  | 6x32     | 422   | 215   | 86     | 71    | 56     |

# Runtime Charts

## Eaton 93E 15-80kVA UPS

Power factor **0.8** on different load levels

| Battery | Quantity | 3 kVA | 5k VA | 10 kVA | 12kVA | 15 kVA |
|---------|----------|-------|-------|--------|-------|--------|
| 9Ah     | 3x32     | 148   | 80    | 36     | 29    | 22     |
| 9Ah     | 4x32     | 207   | 111   | 51     | 40    | 30     |
| 9Ah     | 5x32     | 271   | 148   | 64     | 53    | 40     |
| 9Ah     | 6x32     | 332   | 179   | 80     | 64    | 51     |
|         |          |       |       |        |       |        |
| 7Ah LL  | 2x32     | 84    | 51    | 22     | 16    | 10     |
| 7Ah LL  | 3x32     | 136   | 75    | 37     | 28    | 22     |
| 7Ah LL  | 4x32     | 205   | 102   | 51     | 42    | 30     |
| 7Ah LL  | 5x32     | 277   | 136   | 59     | 53    | 42     |
| 7Ah LL  | 6x32     | 355   | 173   | 75     | 59    | 51     |

Power factor **0.9** on different load levels

| Battery | Quantity | 3 kVA | 5k VA | 10 kVA | 12kVA | 15 kVA |
|---------|----------|-------|-------|--------|-------|--------|
| 9Ah     | 3x32     | 126   | 70    | 30     | 25    | 19     |
| 9Ah     | 4x32     | 177   | 95    | 44     | 35    | 27     |
| 9Ah     | 5x32     | 235   | 126   | 57     | 46    | 35     |
| 9Ah     | 6x32     | 291   | 160   | 70     | 57    | 44     |
|         |          |       |       |        |       |        |
| 7Ah LL  | 2x32     | 74    | 45    | 18     | 13    | 7      |
| 7Ah LL  | 3x32     | 115   | 64    | 30     | 25    | 18     |
| 7Ah LL  | 4x32     | 171   | 88    | 45     | 36    | 27     |
| 7Ah LL  | 5x32     | 241   | 115   | 55     | 47    | 36     |
| 7Ah LL  | 6x32     | 295   | 150   | 64     | 55    | 45     |

# Runtime Charts

## Eaton 93E 15-80kVA UPS

### 93E 20kVA UPS

#### Internal batteries

Power factor **0.7** on different load levels

| Battery | Quantity | 5 kVA | 10 kVA | 12 kVA | 15 kVA | 20 kVA |
|---------|----------|-------|--------|--------|--------|--------|
| 9Ah     | 1x32     | 26    | 11     | 9      | 6      | 4      |
| 9Ah     | 2x32     | 58    | 26     | 20     | 15     | 11     |

Power factor **0.8** on different load levels

| Battery | Quantity | 5 kVA | 10 kVA | 12 kVA | 15 kVA | 20 kVA |
|---------|----------|-------|--------|--------|--------|--------|
| 9Ah     | 1x32     | 22    | 9      | 7      | 5      | -      |
| 9Ah     | 2x32     | 51    | 22     | 17     | 13     | 9      |

Power factor **0.9** on different load levels

| Battery | Quantity | 5 kVA | 10 kVA | 12 kVA | 15 kVA | 20 kVA |
|---------|----------|-------|--------|--------|--------|--------|
| 9Ah     | 1x32     | 19    | 8      | 6      | 4      | -      |
| 9Ah     | 2x32     | 44    | 19     | 15     | 11     | 8      |

#### External batteries

Power factor **0.7** on different load levels

| Battery | Quantity | 5 kVA | 10 kVA | 12 kVA | 15 kVA | 20 kVA |
|---------|----------|-------|--------|--------|--------|--------|
| 9Ah     | 3x32     | 90    | 42     | 34     | 26     | 18     |
| 9Ah     | 4x32     | 131   | 58     | 48     | 36     | 26     |
| 9Ah     | 5x32     | 171   | 76     | 60     | 48     | 34     |
| 9Ah     | 6x32     | 215   | 90     | 76     | 58     | 42     |
|         |          |       |        |        |        |        |
| 7Ah LL  | 2x32     | 56    | 26     | 20     | 13     | 6      |
| 7Ah LL  | 3x32     | 86    | 44     | 34     | 26     | 17     |
| 7Ah LL  | 4x32     | 118   | 56     | 49     | 37     | 26     |
| 7Ah LL  | 5x32     | 164   | 71     | 58     | 49     | 34     |
| 7Ah LL  | 6x32     | 215   | 86     | 71     | 56     | 44     |

# Runtime Charts

## Eaton 93E 15-80kVA UPS

Power factor **0.8** on different load levels

| Battery | Quantity | 5 kVA | 10 kVA | 12 kVA | 15 kVA | 20 kVA |
|---------|----------|-------|--------|--------|--------|--------|
| 9Ah     | 3x32     | 80    | 36     | 29     | 22     | 15     |
| 9Ah     | 4x32     | 111   | 51     | 40     | 30     | 22     |
| 9Ah     | 5x32     | 148   | 64     | 53     | 40     | 29     |
| 9Ah     | 6x32     | 179   | 80     | 64     | 51     | 36     |
|         |          |       |        |        |        |        |
| 7Ah LL  | 2x32     | 51    | 22     | 16     | 10     | -      |
| 7Ah LL  | 3x32     | 75    | 37     | 28     | 22     | 13     |
| 7Ah LL  | 4x32     | 102   | 51     | 42     | 30     | 22     |
| 7Ah LL  | 5x32     | 136   | 59     | 53     | 42     | 28     |
| 7Ah LL  | 6x32     | 173   | 75     | 59     | 51     | 37     |

Power factor **0.9** on different load levels

| Battery | Quantity | 5 kVA | 10 kVA | 12 kVA | 15 kVA | 20 kVA |
|---------|----------|-------|--------|--------|--------|--------|
| 9Ah     | 3x32     | 70    | 30     | 25     | 19     | 13     |
| 9Ah     | 4x32     | 95    | 44     | 35     | 27     | 19     |
| 9Ah     | 5x32     | 126   | 57     | 46     | 35     | 25     |
| 9Ah     | 6x32     | 160   | 70     | 57     | 44     | 30     |
|         |          |       |        |        |        |        |
| 7Ah LL  | 2x32     | 45    | 18     | 13     | 7      | -      |
| 7Ah LL  | 3x32     | 64    | 30     | 25     | 18     | 10     |
| 7Ah LL  | 4x32     | 88    | 45     | 36     | 27     | 18     |
| 7Ah LL  | 5x32     | 115   | 55     | 47     | 36     | 25     |
| 7Ah LL  | 6x32     | 150   | 64     | 55     | 45     | 30     |

# Runtime Charts

## Eaton 93E 15-80kVA UPS

### 93E 30kVA UPS

#### Internal batteries

Power factor **0.7** on different load levels

| Battery | Quantity | 10 kVA | 15 kVA | 20 kVA | 25 kVA | 30 kVA |
|---------|----------|--------|--------|--------|--------|--------|
| 9Ah     | 3x32     | 42     | 26     | 18     | 14     | 11     |

Power factor **0.8** on different load levels

| Battery | Quantity | 10 kVA | 15 kVA | 20 kVA | 25 kVA | 30 kVA |
|---------|----------|--------|--------|--------|--------|--------|
| 9Ah     | 3x32     | 36     | 22     | 15     | 12     | 9      |

Power factor **0.9** on different load levels

| Battery | Quantity | 10 kVA | 15 kVA | 20 kVA | 25 kVA | 30 kVA |
|---------|----------|--------|--------|--------|--------|--------|
| 9Ah     | 3x32     | 30     | 19     | 13     | 10     | 8      |

#### External batteries

Power factor **0.7** on different load levels

| Battery            | Quantity | 10 kVA | 15 kVA | 20 kVA | 25 kVA | 30 kVA |
|--------------------|----------|--------|--------|--------|--------|--------|
| CSB HRL 12200 200W | 1x32     | 126    | 82     | 56     | 42     | 33     |
| CSB HRL 12200 200W | 2x32     | 265    | 173    | 126    | 100    | 82     |
| CSB HRL 12200 200W | 3x32     | 427    | 265    | 196    | 157    | 126    |
| CSB HRL 12200 200W | 4x32     | 566    | 378    | 265    | 211    | 173    |

Power factor **0.8** on different load levels

| Battery            | Quantity | 10 kVA | 15 kVA | 20 kVA | 25 kVA | 30 kVA |
|--------------------|----------|--------|--------|--------|--------|--------|
| CSB HRL 12200 200W | 1x32     | 110    | 69     | 47     | 35     | 27     |
| CSB HRL 12200 200W | 2x32     | 230    | 153    | 110    | 86     | 69     |
| CSB HRL 12200 200W | 3x32     | 371    | 230    | 171    | 135    | 110    |
| CSB HRL 12200 200W | 4x32     | 485    | 315    | 230    | 179    | 153    |

# Runtime Charts

## Eaton 93E 15-80kVA UPS

Power factor **0.9**

| Battery            | Quantity | 10 kVA | 15 kVA | 20 kVA | 25 kVA | 30 kVA |
|--------------------|----------|--------|--------|--------|--------|--------|
| CSB HRL 12200 200W | 1x32     | 97     | 58     | 40     | 29     | 24     |
| CSB HRL 12200 200W | 2x32     | 204    | 133    | 97     | 75     | 58     |
| CSB HRL 12200 200W | 3x32     | 315    | 204    | 153    | 117    | 97     |
| CSB HRL 12200 200W | 4x32     | 441    | 276    | 204    | 163    | 133    |

# Runtime Charts

## Eaton 93E 15-80kVA UPS

### 93E 40kVA UPS

#### Internal batteries

Power factor **0.7** on different load levels

| Battery | Quantity | 10 kVA | 15 kVA | 20 kVA | 30 kVA | 40 kVA |
|---------|----------|--------|--------|--------|--------|--------|
| 9Ah     | 4x32     | 58     | 36     | 26     | 15     | 11     |

Power factor **0.8** on different load levels

| Battery | Quantity | 10 kVA | 15 kVA | 20 kVA | 30 kVA | 40 kVA |
|---------|----------|--------|--------|--------|--------|--------|
| 9Ah     | 4x32     | 51     | 30     | 22     | 13     | 9      |

Power factor **0.9** on different load levels

| Battery | Quantity | 10 kVA | 15 kVA | 20 kVA | 30 kVA | 40 kVA |
|---------|----------|--------|--------|--------|--------|--------|
| 9Ah     | 4x32     | 44     | 27     | 19     | 11     | 8      |

#### External batteries

Power factor **0.7** on different load levels

| Battery            | Quantity | 10 kVA | 15 kVA | 20 kVA | 30 kVA | 40 kVA |
|--------------------|----------|--------|--------|--------|--------|--------|
| CSB HRL 12200 200W | 1x32     | 126    | 82     | 56     | 33     | 22     |
| CSB HRL 12200 200W | 2x32     | 265    | 173    | 126    | 82     | 56     |
| CSB HRL 12200 200W | 3x32     | 427    | 265    | 196    | 126    | 92     |
| CSB HRL 12200 200W | 4x32     | 566    | 378    | 265    | 173    | 126    |

Power factor **0.8** on different load levels

| Battery            | Quantity | 10 kVA | 15 kVA | 20 kVA | 30 kVA | 40 kVA |
|--------------------|----------|--------|--------|--------|--------|--------|
| CSB HRL 12200 200W | 1x32     | 110    | 69     | 47     | 27     | 18     |
| CSB HRL 12200 200W | 2x32     | 230    | 153    | 110    | 69     | 47     |
| CSB HRL 12200 200W | 3x32     | 371    | 230    | 171    | 110    | 80     |
| CSB HRL 12200 200W | 4x32     | 485    | 315    | 230    | 153    | 110    |



# Runtime Charts

## Eaton 93E 15-80kVA UPS

Power factor **0.9** on different load levels

| Battery            | Quantity | 10 kVA | 15 kVA | 20 kVA | 30 kVA | 40 kVA |
|--------------------|----------|--------|--------|--------|--------|--------|
| CSB HRL 12200 200W | 1x32     | 97     | 58     | 40     | 24     | 15     |
| CSB HRL 12200 200W | 2x32     | 204    | 133    | 97     | 58     | 40     |
| CSB HRL 12200 200W | 3x32     | 315    | 204    | 153    | 97     | 69     |
| CSB HRL 12200 200W | 4x32     | 441    | 276    | 204    | 133    | 97     |

# Runtime Charts

## Eaton 93E 15-80kVA UPS

### **93E 60kVA UPS**

#### **External Batteries**

Power factor **0.7** on different load levels

| Battery            | Quantity | 20 kVA | 30 kVA | 40 kVA | 50 kVA | 60 kVA |
|--------------------|----------|--------|--------|--------|--------|--------|
| CSB HRL 12110 110W | 1x36     | 27     | 16     | 10     | 7      | -      |
| CSB HRL 12110 110W | 2x36     | 74     | 43     | 27     | 20     | 16     |
| CSB HRL 12110 110W | 3x36     | 114    | 73     | 51     | 35     | 27     |
| CSB HRL 12110 110W | 4x36     | 160    | 100    | 73     | 55     | 43     |
|                    |          |        |        |        |        |        |
| CSB HRL 12200 200W | 1x36     | 65     | 38     | 26     | 19     | 15     |
| CSB HRL 12200 200W | 2x36     | 147    | 92     | 65     | 49     | 38     |
| CSB HRL 12200 200W | 3x36     | 222    | 147    | 106    | 83     | 65     |
| CSB HRL 12200 200W | 4x36     | 298    | 196    | 147    | 113    | 92     |
|                    |          |        |        |        |        |        |
| Exide XP12V1800    | 1x36     | 78     | 44     | 31     | 22     | 16     |
| Exide XP12V1800    | 2x36     | 170    | 108    | 78     | 55     | 44     |
| Exide XP12V1800    | 3x36     | 280    | 170    | 118    | 98     | 78     |
| Exide XP12V1800    | 4x36     | 394    | 249    | 170    | 129    | 108    |

# Runtime Charts

## Eaton 93E 15-80kVA UPS

Power factor **0.8** on different load levels

| Battery            | Quantity | 20 kVA | 30 kVA | 40 kVA | 50 kVA | 60 kVA |
|--------------------|----------|--------|--------|--------|--------|--------|
| CSB HRL 12110 110W | 1x36     | 23     | 13     | 8      | 6      | -      |
| CSB HRL 12110 110W | 2x36     | 61     | 32     | 23     | 17     | 13     |
| CSB HRL 12110 110W | 3x36     | 99     | 60     | 42     | 28     | 23     |
| CSB HRL 12110 110W | 4x36     | 138    | 86     | 60     | 46     | 32     |
|                    |          |        |        |        |        |        |
| CSB HRL 12200 200W | 1x36     | 54     | 32     | 22     | 16     | 12     |
| CSB HRL 12200 200W | 2x36     | 123    | 80     | 54     | 41     | 32     |
| CSB HRL 12200 200W | 3x36     | 192    | 123    | 90     | 70     | 54     |
| CSB HRL 12200 200W | 4x36     | 261    | 171    | 123    | 98     | 80     |
|                    |          |        |        |        |        |        |
| Exide XP12V1800    | 1x36     | 61     | 38     | 26     | 18     | 14     |
| Exide XP12V1800    | 2x36     | 147    | 96     | 61     | 47     | 38     |
| Exide XP12V1800    | 3x36     | 245    | 147    | 107    | 84     | 61     |
| Exide XP12V1800    | 4x36     | 333    | 211    | 147    | 113    | 96     |

Power factor **0.9** on different load levels

| Battery            | Quantity | 20 kVA | 30 kVA | 40 kVA | 50 kVA | 60 kVA |
|--------------------|----------|--------|--------|--------|--------|--------|
| CSB HRL 12110 110W | 1x36     | 20     | 11     | 7      | -      | -      |
| CSB HRL 12110 110W | 2x36     | 54     | 28     | 20     | 15     | 11     |
| CSB HRL 12110 110W | 3x36     | 87     | 54     | 33     | 25     | 20     |
| CSB HRL 12110 110W | 4x36     | 118    | 77     | 54     | 38     | 28     |
|                    |          |        |        |        |        |        |
| CSB HRL 12200 200W | 1x36     | 47     | 27     | 18     | 13     | 10     |
| CSB HRL 12200 200W | 2x36     | 110    | 69     | 47     | 35     | 27     |
| CSB HRL 12200 200W | 3x36     | 171    | 110    | 80     | 59     | 47     |
| CSB HRL 12200 200W | 4x36     | 230    | 153    | 110    | 86     | 69     |
|                    |          |        |        |        |        |        |
| Exide XP12V1800    | 1x36     | 54     | 33     | 21     | 15     | 12     |
| Exide XP12V1800    | 2x36     | 123    | 83     | 54     | 41     | 33     |
| Exide XP12V1800    | 3x36     | 211    | 123    | 96     | 70     | 54     |
| Exide XP12V1800    | 4x36     | 288    | 176    | 123    | 102    | 83     |

# Runtime Charts

## Eaton 93E 15-80kVA UPS

### 93E 80kVA UPS

#### External batteries

Power factor **0.7** on different load levels

| Battery            | Quantity | 20 kVA | 30 kVA | 40 kVA | 60 kVA | 80 kVA |
|--------------------|----------|--------|--------|--------|--------|--------|
| CSB HRL 12200 200W | 1x36     | 65     | 38     | 26     | 15     | 9      |
| CSB HRL 12200 200W | 2x36     | 147    | 92     | 65     | 38     | 26     |
| CSB HRL 12200 200W | 3x36     | 222    | 147    | 106    | 65     | 45     |
| CSB HRL 12200 200W | 4x36     | 298    | 196    | 147    | 92     | 65     |
| CSB HRL 12200 200W | 1x40     | 76     | 44     | 30     | 17     | 11     |
| CSB HRL 12200 200W | 2x40     | 163    | 105    | 76     | 44     | 30     |
| CSB HRL 12200 200W | 3x40     | 245    | 163    | 117    | 76     | 51     |
| CSB HRL 12200 200W | 4x40     | 349    | 220    | 163    | 105    | 76     |
|                    |          |        |        |        |        |        |
| Exide XP12V1800    | 1x36     | 78     | 44     | 31     | 16     | 11     |
| Exide XP12V1800    | 2x36     | 170    | 108    | 78     | 44     | 31     |
| Exide XP12V1800    | 3x36     | 280    | 170    | 118    | 78     | 52     |
| Exide XP12V1800    | 4x36     | 394    | 249    | 170    | 108    | 78     |
| Exide XP12V1800    | 1x40     | 90     | 51     | 36     | 19     | 13     |
| Exide XP12V1800    | 2x40     | 195    | 117    | 90     | 51     | 36     |
| Exide XP12V1800    | 3x40     | 309    | 195    | 137    | 90     | 58     |
| Exide XP12V1800    | 4x40     | 436    | 277    | 195    | 117    | 90     |

Power factor **0.8** on different load levels

| Battery            | Quantity | 20 kVA | 30 kVA | 40 kVA | 60 kVA | 80 kVA |
|--------------------|----------|--------|--------|--------|--------|--------|
| CSB HRL 12200 200W | 1x36     | 54     | 32     | 22     | 12     | 7      |
| CSB HRL 12200 200W | 2x36     | 123    | 80     | 54     | 32     | 22     |
| CSB HRL 12200 200W | 3x36     | 192    | 123    | 90     | 54     | 38     |
| CSB HRL 12200 200W | 4x36     | 261    | 171    | 123    | 80     | 54     |
| CSB HRL 12200 200W | 1x40     | 63     | 37     | 25     | 14     | 9      |
| CSB HRL 12200 200W | 2x40     | 142    | 89     | 63     | 37     | 25     |
| CSB HRL 12200 200W | 3x40     | 216    | 142    | 103    | 63     | 43     |
| CSB HRL 12200 200W | 4x40     | 291    | 189    | 142    | 89     | 63     |
|                    |          |        |        |        |        |        |
| Exide XP12V1800    | 1x36     | 61     | 38     | 26     | 14     | 9      |

## Runtime Charts

### Eaton 93E 15-80kVA UPS

|                 |      |     |     |     |     |    |
|-----------------|------|-----|-----|-----|-----|----|
| Exide XP12V1800 | 2x36 | 147 | 96  | 61  | 38  | 26 |
| Exide XP12V1800 | 3x36 | 245 | 147 | 107 | 61  | 44 |
| Exide XP12V1800 | 4x36 | 333 | 211 | 147 | 96  | 61 |
| Exide XP12V1800 | 1x40 | 75  | 43  | 29  | 16  | 10 |
| Exide XP12V1800 | 2x40 | 166 | 106 | 75  | 43  | 29 |
| Exide XP12V1800 | 3x40 | 273 | 166 | 116 | 75  | 50 |
| Exide XP12V1800 | 4x40 | 382 | 242 | 166 | 106 | 75 |

Power factor **0.9** on different load levels

| Battery            | Quantity | 20 kVA | 30 kVA | 40 kVA | 60 kVA | 80 kVA |
|--------------------|----------|--------|--------|--------|--------|--------|
| CSB HRL 12200 200W | 1x36     | 47     | 27     | 18     | 10     | 5      |
| CSB HRL 12200 200W | 2x36     | 110    | 69     | 47     | 27     | 18     |
| CSB HRL 12200 200W | 3x36     | 171    | 110    | 80     | 47     | 32     |
| CSB HRL 12200 200W | 4x36     | 230    | 153    | 110    | 69     | 47     |
| CSB HRL 12200 200W | 1x40     | 54     | 31     | 21     | 12     | 7      |
| CSB HRL 12200 200W | 2x40     | 121    | 79     | 54     | 31     | 21     |
| CSB HRL 12200 200W | 3x40     | 189    | 121    | 89     | 54     | 37     |
| CSB HRL 12200 200W | 4x40     | 257    | 169    | 121    | 79     | 54     |
| Exide XP12V1800    | 1x36     | 54     | 33     | 21     | 12     | 8      |
| Exide XP12V1800    | 2x36     | 123    | 83     | 54     | 33     | 21     |
| Exide XP12V1800    | 3x36     | 211    | 123    | 96     | 54     | 38     |
| Exide XP12V1800    | 4x36     | 288    | 176    | 123    | 83     | 54     |
| Exide XP12V1800    | 1x40     | 60     | 38     | 25     | 13     | 9      |
| Exide XP12V1800    | 2x40     | 144    | 94     | 60     | 38     | 25     |
| Exide XP12V1800    | 3x40     | 242    | 144    | 106    | 60     | 43     |
| Exide XP12V1800    | 4x40     | 327    | 207    | 144    | 94     | 60     |

The battery backup table is given with end voltage 1.7 VPC and UPS efficiency of 92%.

**Note!**

The specifications are subject to change without a notice.

# Runtime Charts

## Eaton 93E 15-80kVA UPS

### **Battery cabinet specifications**

**Table 1.** Eaton 93E 1580kVA compatible battery cabinet specifications

| Cabinet (P/N)   | Model      | Breaker rating | Battery               | Battery Design life | Blocks <sup>1</sup> | Used with    |
|-----------------|------------|----------------|-----------------------|---------------------|---------------------|--------------|
| P-105000041-001 | 93P/E-63A  | 63A            | EMPTY                 | -                   | 3 x 32              | 93E 15-20kVA |
| P-105000041-002 | 93P/E-63A  | 63A            | Battery 9Ah           | 5 years             | 2 x 32              | 93E 15-20kVA |
| P-105000041-003 | 93P/E-63A  | 63A            | Battery 9Ah           | 5 years             | 3 x 32              | 93E 15-20kVA |
| P-105000041-004 | 93P/E-63A  | 63A            | Battery 7Ah LL        | 10 years            | 2 x 32              | 93E 15-20kVA |
| P-105000041-005 | 93P/E-63A  | 63A            | Battery 7Ah LL        | 10 years            | 3 x 32              | 93E 15-20kVA |
| P-105000042-001 | 93P/E-160A | 160A           | EMPTY                 | -                   | 1 x 32              | 93E 30-40kVA |
| P-105000042-002 | 93P/E-160A | 160A           | CSB HRL 12200<br>200W | 10 years            | 1 x 32              | 93E 30-40kVA |
| P-105000017-001 | 93P/E-200A | 200A           | EMPTY M5 cables       | -                   | 1 x 32-36           | 93E 60kVA    |
| P-105000017-002 | 93P/E-200A | 200A           | CSB HRL 12110<br>110W | 10 years            | 1 x 36              | 93E 60kVA    |
| P-105000017-004 | 93P/E-200A | 200A           | CSB HRL 12200<br>200W | 10 years            | 1 x 36              | 93E 60kVA    |
| P-105000017-005 | 93P/E-200A | 200A           | EMPTY M6 cables       | -                   | 1 x 32-36           | 93E 60kVA    |
| P-105000017-006 | 93P/E-200A | 200A           | Exide P12V875         | 10 years            | 1 x 36              | 93E 60kVA    |
| P-105000017-007 | 93P/E-200A | 200A           | Exide XP12V1800       | 10 years            | 1 x 36              | 93E 60kVA    |
| P-105000018-001 | 93P/E-400A | 400A           | EMPTY M6 cables       | -                   | 1 x 32-40           | 93E 80kVA    |
| P-105000018-002 | 93P/E-400A | 400A           | CSB HRL 12200<br>200W | 10 years            | 1 x 36              | 93E 80kVA    |
| P-105000018-003 | 93P/E-400A | 400A           | CSB HRL 12200<br>200W | 10 years            | 1 x 40              | 93E 80kVA    |
| P-105000018-004 | 93P/E-400A | 400A           | Exide XP12V1800       | 10 years            | 1 x 36              | 93E 80kVA    |
| P-105000018-005 | 93P/E-400A | 400A           | Exide XP12V1800       | 10 years            | 1 x 40              | 93E 80kVA    |

<sup>1</sup> Amount of battery blocks that are provided with the cabinet or can be installed in the battery cabinet (if empty).

# Runtime Charts

## Eaton 93E 15-80kVA UPS

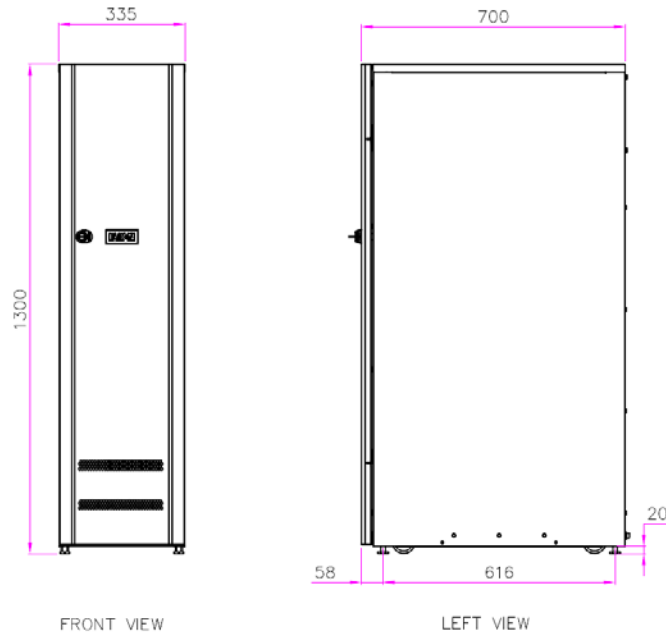


Figure 1. 93P/E-63A Battery cabinet. Values are in millimetres.

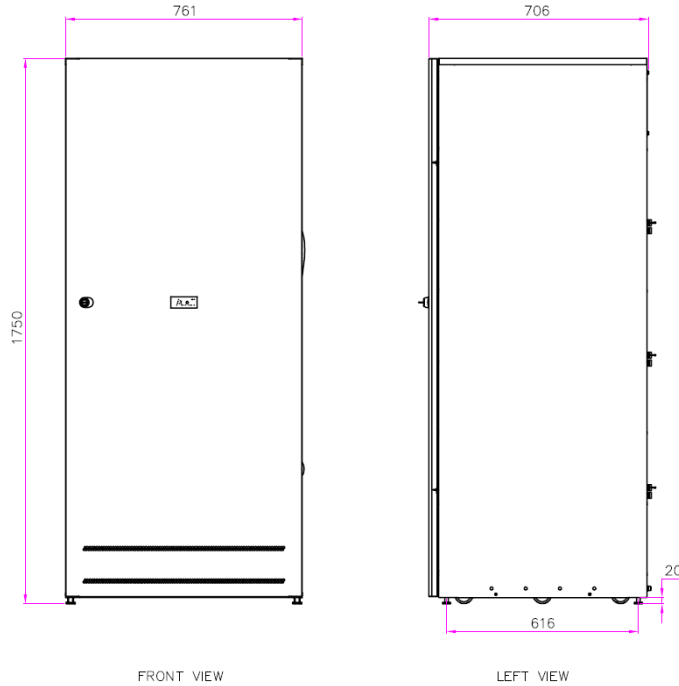


Figure 2. 93P/E-160A Battery cabinet. Values are in millimetres.

# Runtime Charts

## Eaton 93E 15-80kVA UPS

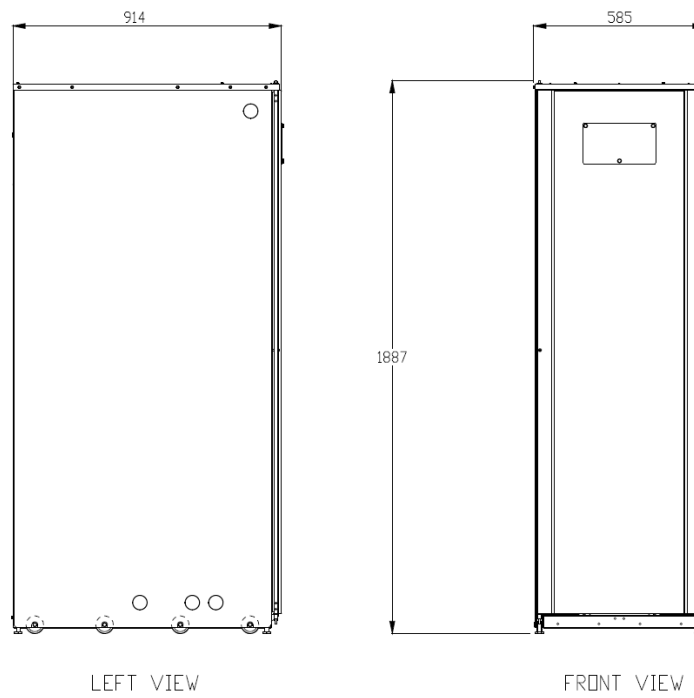


Figure 3. 93P/E-200A 93P/E-400A Battery cabinet. Values are in millimetres.