```
Initial Parameters...
R(load) = 500 ohms
r = 1.00
w = 0.50

---------
INITIAL Particle 1 ::   pos(duty)=   0.60217049    fitness(Output Power)=  24.22377798
INITIAL Particle 2 ::   pos(duty)=   0.38677119    fitness(Output Power)=  10.64447425
INITIAL Particle 3 ::   pos(duty)=   0.91599124    fitness(Output Power)= 104.71437275

================================================
++++++++++++++Start of Iterations++++++++++++++
================================================
Iteration No: 1
c1 =   0.00115106    c2 =   0.46244916
velocity =

    0.1451
    0.2447
         0

Particle 1 ::   pos(duty)=   0.74729663    fitness(Output Power)=  57.32471327
Particle 2 ::   pos(duty)=   0.63150856    fitness(Output Power)=  27.63860410
Particle 3 ::   pos(duty)=   0.91599124    fitness(Output Power)= 104.71437275


Updated best Fitness Position =   0.91599124


--------
Iteration No: 2
c1 =   0.42434904    c2 =   0.46091637
velocity =

    0.1503
    0.2535
         0

Particle 1 ::   pos(duty)=   0.89761381    fitness(Output Power)= 153.58567272
Particle 2 ::   pos(duty)=   0.88499997    fitness(Output Power)= 178.28078918
Particle 3 ::   pos(duty)=   0.91599124    fitness(Output Power)= 104.71437275


Updated best Fitness Position =   0.88499997


--------
Iteration No: 3
c1 =   0.77015973    c2 =   0.32247181
velocity =

    0.0711
    0.1267
   -0.0100
```

```
Particle 1 ::   pos(duty)=   0.96870479    fitness(Output Power)=  14.49698779
Particle 2 ::   pos(duty)=   0.95000000    fitness(Output Power)=  37.11431295
Particle 3 ::   pos(duty)=   0.90599743    fitness(Output Power)= 130.80709025


Updated best Fitness Position =   0.88499997


--------
Iteration No: 4
c1 =   0.78473929    c2 =   0.47135715
velocity =

   -0.0597
   -0.0183
   -0.0149

Particle 1 ::   pos(duty)=   0.90900753    fitness(Output Power)= 122.66809671
Particle 2 ::   pos(duty)=   0.93172654    fitness(Output Power)=  69.21234322
Particle 3 ::   pos(duty)=   0.89110322    fitness(Output Power)= 169.20319252


Updated best Fitness Position =   0.88499997


--------
Iteration No: 5
c1 =   0.03576273    c2 =   0.17587442
velocity =

   -0.0345
   -0.0190
   -0.0085

Particle 1 ::   pos(duty)=   0.87452911    fitness(Output Power)= 177.60173404
Particle 2 ::   pos(duty)=   0.91270074    fitness(Output Power)= 113.02569459
Particle 3 ::   pos(duty)=   0.88258271    fitness(Output Power)= 179.81169973


Updated best Fitness Position =   0.88258271


--------
Iteration No: 6
c1 =   0.72175803    c2 =   0.47348599
velocity =

   -0.0134
   -0.0438
   -0.0043

Particle 1 ::   pos(duty)=   0.86110317    fitness(Output Power)= 161.17873608
Particle 2 ::   pos(duty)=   0.86893412    fitness(Output Power)= 171.78207902
Particle 3 ::   pos(duty)=   0.87832245    fitness(Output Power)= 179.84358913
```

```
Updated best Fitness Position =   0.87832245


--------
Iteration No: 7
c1 =   0.15272120    c2 =   0.34112461
velocity =

    0.0012
   -0.0162
   -0.0021

Particle 1 ::   pos(duty)=   0.86231455    fitness(Output Power)= 162.87823358
Particle 2 ::   pos(duty)=   0.85270700    fitness(Output Power)= 148.81167013
Particle 3 ::   pos(duty)=   0.87619233    fitness(Output Power)= 178.80035182


Updated best Fitness Position =   0.87832245


--------
Iteration No: 8
c1 =   0.60738921    c2 =   0.19174526
velocity =

    0.0111
    0.0164
    0.0006

Particle 1 ::   pos(duty)=   0.87340867    fitness(Output Power)= 176.63442535
Particle 2 ::   pos(duty)=   0.86911948    fitness(Output Power)= 172.01489984
Particle 3 ::   pos(duty)=   0.87682952    fitness(Output Power)= 179.17125526


Updated best Fitness Position =   0.87832245


--------
Iteration No: 9
c1 =   0.73842684    c2 =   0.24284960
velocity =

    0.0076
    0.0222
    0.0018

Particle 1 ::   pos(duty)=   0.88097641    fitness(Output Power)= 180.19709926
Particle 2 ::   pos(duty)=   0.89128724    fitness(Output Power)= 168.82096130
Particle 3 ::   pos(duty)=   0.87861310    fitness(Output Power)= 179.93966906


Updated best Fitness Position =   0.88097641
```

```
--------
Iteration No: 10
c1 =   0.91742434    c2 =   0.26906159
velocity =

    0.0038
    0.0025
    0.0015

Particle 1 ::   pos(duty)=   0.88476028    fitness(Output Power)= 178.48319378
Particle 2 ::   pos(duty)=   0.89382878    fitness(Output Power)= 163.15491330
Particle 3 ::   pos(duty)=   0.88014076    fitness(Output Power)= 180.21197174


Updated best Fitness Position =   0.88014076


--------
Iteration No: 11
c1 =   0.76550002    c2 =   0.18866198
velocity =

   -0.0019
   -0.0081
    0.0008

Particle 1 ::   pos(duty)=   0.88288413    fitness(Output Power)= 179.68804741
Particle 2 ::   pos(duty)=   0.88575868    fitness(Output Power)= 177.56840528
Particle 3 ::   pos(duty)=   0.88090460    fitness(Output Power)= 180.20262175


Updated best Fitness Position =   0.88014076


--------
Iteration No: 12
c1 =   0.28749817    c2 =   0.09111346
velocity =

   -0.0017
   -0.0048
    0.0001

Particle 1 ::   pos(duty)=   0.88114764    fitness(Output Power)= 180.18011101
Particle 2 ::   pos(duty)=   0.88099364    fitness(Output Power)= 180.19709926
Particle 3 ::   pos(duty)=   0.88099732    fitness(Output Power)= 180.19709926


Updated best Fitness Position =   0.88014076


--------
Iteration No: 13
c1 =   0.57620938    c2 =   0.68336324
velocity =
```

```
   -0.0017
   -0.0030
   -0.0010

Particle 1 ::   pos(duty)=   0.87949266    fitness(Output Power)= 180.14053083
Particle 2 ::   pos(duty)=   0.87802829    fitness(Output Power)= 179.73225045
Particle 3 ::   pos(duty)=   0.87996479    fitness(Output Power)= 180.19741424


Updated best Fitness Position =   0.88014076


--------
Iteration No: 14
c1 =   0.54659311    c2 =   0.42572884
velocity =

    0.0003
    0.0010
   -0.0003

Particle 1 ::   pos(duty)=   0.87975210    fitness(Output Power)= 180.17553039
Particle 2 ::   pos(duty)=   0.87906580    fitness(Output Power)= 180.05610147
Particle 3 ::   pos(duty)=   0.87961963    fitness(Output Power)= 180.16179237


Updated best Fitness Position =   0.88014076


--------
Iteration No: 15
c1 =   0.64444278    c2 =   0.64761763
velocity =

    0.0012
    0.0025
    0.0005

Particle 1 ::   pos(duty)=   0.88092252    fitness(Output Power)= 180.20262175
Particle 2 ::   pos(duty)=   0.88152310    fitness(Output Power)= 180.12120049
Particle 3 ::   pos(duty)=   0.88012039    fitness(Output Power)= 180.21004773


Updated best Fitness Position =   0.88014076


--------
Iteration No: 16
c1 =   0.67901675    c2 =   0.63578671
velocity =

   1.0e-03 *

    0.0882
```

```
   -0.0097
    0.2772

Particle 1 ::   pos(duty)=   0.88101070    fitness(Output Power)= 180.19406398
Particle 2 ::   pos(duty)=   0.88151337    fitness(Output Power)= 180.12120049
Particle 3 ::   pos(duty)=   0.88039756    fitness(Output Power)= 180.21989981


Updated best Fitness Position =   0.88039756


--------
Iteration No: 17
c1 =   0.94517411    c2 =   0.20893492
velocity =

   1.0e-03 *

   -0.1674
   -0.7292
    0.1386

Particle 1 ::   pos(duty)=   0.88084334    fitness(Output Power)= 180.20740922
Particle 2 ::   pos(duty)=   0.88078414    fitness(Output Power)= 180.21145647
Particle 3 ::   pos(duty)=   0.88053614    fitness(Output Power)= 180.22013808


Updated best Fitness Position =   0.88053614


--------
Iteration No: 18
c1 =   0.70928170    c2 =   0.23623058
velocity =

   1.0e-03 *

   -0.1563
   -0.4232
    0.0693

Particle 1 ::   pos(duty)=   0.88068709    fitness(Output Power)= 180.21612797
Particle 2 ::   pos(duty)=   0.88036094    fitness(Output Power)= 180.21935595
Particle 3 ::   pos(duty)=   0.88060544    fitness(Output Power)= 180.21910439


Updated best Fitness Position =   0.88053614


--------
Iteration No: 19
c1 =   0.11939625    c2 =   0.60730394
velocity =

   1.0e-03 *
```

```
   -0.1698
   -0.1052
   -0.0157

Particle 1 ::   pos(duty)=   0.88051729    fitness(Output Power)= 180.22013808
Particle 2 ::   pos(duty)=   0.88025574    fitness(Output Power)= 180.21655106
Particle 3 ::   pos(duty)=   0.88058973    fitness(Output Power)= 180.21910439


Updated best Fitness Position =   0.88051729


--------
Iteration No: 20
c1 =   0.45013770    c2 =   0.45872549
velocity =

   1.0e-03 *

   -0.0849
    0.1147
   -0.0652

Particle 1 ::   pos(duty)=   0.88043240    fitness(Output Power)= 180.22024928
Particle 2 ::   pos(duty)=   0.88037048    fitness(Output Power)= 180.21935595
Particle 3 ::   pos(duty)=   0.88052452    fitness(Output Power)= 180.22013808


Updated best Fitness Position =   0.88043240


--------
Iteration No: 21
c1 =   0.66194475    c2 =   0.77028551
velocity =

   1.0e-03 *

   -0.0424
    0.1051
   -0.1036

Particle 1 ::   pos(duty)=   0.88038995    fitness(Output Power)= 180.21989981
Particle 2 ::   pos(duty)=   0.88047554    fitness(Output Power)= 180.22036773
Particle 3 ::   pos(duty)=   0.88042096    fitness(Output Power)= 180.22024928


Updated best Fitness Position =   0.88047554


--------
Iteration No: 22
c1 =   0.35021801    c2 =   0.66200960
velocity =
```

```
   1.0e-04 *

    0.5030
    0.5253
   -0.1565

Particle 1 ::   pos(duty)=   0.88044025    fitness(Output Power)= 180.22040503
Particle 2 ::   pos(duty)=   0.88052807    fitness(Output Power)= 180.22013808
Particle 3 ::   pos(duty)=   0.88040531    fitness(Output Power)= 180.21989981


Updated best Fitness Position =   0.88044025


--------
Iteration No: 23
c1 =   0.41615859    c2 =   0.84192915
velocity =

   1.0e-04 *

    0.2515
   -0.6953
    0.2811

Particle 1 ::   pos(duty)=   0.88046540    fitness(Output Power)= 180.22040503
Particle 2 ::   pos(duty)=   0.88045854    fitness(Output Power)= 180.22040503
Particle 3 ::   pos(duty)=   0.88043342    fitness(Output Power)= 180.22024928


Updated best Fitness Position =   0.88046540


--------
Iteration No: 24
c1 =   0.83291682    c2 =   0.25644099
velocity =

   1.0e-04 *

    0.1258
   -0.3301
    0.2226

Particle 1 ::   pos(duty)=   0.88047798    fitness(Output Power)= 180.22036773
Particle 2 ::   pos(duty)=   0.88042553    fitness(Output Power)= 180.22024928
Particle 3 ::   pos(duty)=   0.88045567    fitness(Output Power)= 180.22040503


Updated best Fitness Position =   0.88046540


--------
Iteration No: 25
```

```
c1 =   0.61346074    c2 =   0.58224916
velocity =

   1.0e-04 *

   -0.0875
    0.2696
    0.1679

Particle 1 ::   pos(duty)=   0.88046923    fitness(Output Power)= 180.22040503
Particle 2 ::   pos(duty)=   0.88045249    fitness(Output Power)= 180.22040503
Particle 3 ::   pos(duty)=   0.88047247    fitness(Output Power)= 180.22040503


Updated best Fitness Position =   0.88046923


--------
Iteration No: 26
c1 =   0.54073934    c2 =   0.86994103
velocity =

   1.0e-04 *

   -0.0437
    0.2804
    0.0558

Particle 1 ::   pos(duty)=   0.88046486    fitness(Output Power)= 180.22040503
Particle 2 ::   pos(duty)=   0.88048053    fitness(Output Power)= 180.22036773
Particle 3 ::   pos(duty)=   0.88047805    fitness(Output Power)= 180.22036773


Updated best Fitness Position =   0.88046486


--------
Iteration No: 27
c1 =   0.26477903    c2 =   0.31807408
velocity =

   1.0e-05 *

   -0.2187
    0.1609
   -0.2883

Particle 1 ::   pos(duty)=   0.88046267    fitness(Output Power)= 180.22040503
Particle 2 ::   pos(duty)=   0.88048214    fitness(Output Power)= 180.22036773
Particle 3 ::   pos(duty)=   0.88047517    fitness(Output Power)= 180.22036773


Updated best Fitness Position =   0.88046267
```

```
--------
Iteration No: 28
c1 =   0.11921454    c2 =   0.93982947
velocity =

   1.0e-04 *

   -0.0109
   -0.2103
   -0.1351

Particle 1 ::   pos(duty)=   0.88046158    fitness(Output Power)= 180.22040503
Particle 2 ::   pos(duty)=   0.88046111    fitness(Output Power)= 180.22040503
Particle 3 ::   pos(duty)=   0.88046166    fitness(Output Power)= 180.22040503


Updated best Fitness Position =   0.88046158


--------
Iteration No: 29
c1 =   0.64555187    c2 =   0.47946322
velocity =

   1.0e-04 *

   -0.0055
   -0.1029
   -0.0679

Particle 1 ::   pos(duty)=   0.88046103    fitness(Output Power)= 180.22040503
Particle 2 ::   pos(duty)=   0.88045082    fitness(Output Power)= 180.22040503
Particle 3 ::   pos(duty)=   0.88045486    fitness(Output Power)= 180.22040503


Updated best Fitness Position =   0.88046103


--------
Iteration No: 30
c1 =   0.63931696    c2 =   0.54471611
velocity =

   1.0e-06 *

   -0.2734
    0.4156
   -0.0389

Particle 1 ::   pos(duty)=   0.88046076    fitness(Output Power)= 180.22040503
Particle 2 ::   pos(duty)=   0.88045123    fitness(Output Power)= 180.22040503
Particle 3 ::   pos(duty)=   0.88045483    fitness(Output Power)= 180.22040503


Updated best Fitness Position =   0.88046076
```

```
--------
Iteration No: 31
c1 =   0.64731148    c2 =   0.54388593
velocity =

   1.0e-05 *

   -0.0137
    0.5387
    0.3206

Particle 1 ::   pos(duty)=   0.88046062    fitness(Output Power)= 180.22040503
Particle 2 ::   pos(duty)=   0.88045662    fitness(Output Power)= 180.22040503
Particle 3 ::   pos(duty)=   0.88045803    fitness(Output Power)= 180.22040503


Updated best Fitness Position =   0.88046062


--------
Iteration No: 32
c1 =   0.72104662    c2 =   0.52249531
velocity =

   1.0e-05 *

   -0.0068
    0.4783
    0.2955

Particle 1 ::   pos(duty)=   0.88046055    fitness(Output Power)= 180.22040503
Particle 2 ::   pos(duty)=   0.88046140    fitness(Output Power)= 180.22040503
Particle 3 ::   pos(duty)=   0.88046099    fitness(Output Power)= 180.22040503


Updated best Fitness Position =   0.88046055


--------
Iteration No: 33
c1 =   0.99370462    c2 =   0.21867663
velocity =

   1.0e-05 *

   -0.0034
    0.2205
    0.1382

Particle 1 ::   pos(duty)=   0.88046052    fitness(Output Power)= 180.22040503
Particle 2 ::   pos(duty)=   0.88046361    fitness(Output Power)= 180.22040503
Particle 3 ::   pos(duty)=   0.88046237    fitness(Output Power)= 180.22040503
```

```
Updated best Fitness Position =   0.88046052


--------
Iteration No: 34
c1 =   0.10579827    c2 =   0.10969746
velocity =

   1.0e-06 *

   -0.0171
    0.7634
    0.4879

Particle 1 ::   pos(duty)=   0.88046050    fitness(Output Power)= 180.22040503
Particle 2 ::   pos(duty)=   0.88046437    fitness(Output Power)= 180.22040503
Particle 3 ::   pos(duty)=   0.88046286    fitness(Output Power)= 180.22040503


Updated best Fitness Position =   0.88046050


--------
Iteration No: 35
c1 =   0.06359137    c2 =   0.40458000
velocity =

   1.0e-05 *

   -0.0009
   -0.1185
   -0.0710

Particle 1 ::   pos(duty)=   0.88046049    fitness(Output Power)= 180.22040503
Particle 2 ::   pos(duty)=   0.88046319    fitness(Output Power)= 180.22040503
Particle 3 ::   pos(duty)=   0.88046215    fitness(Output Power)= 180.22040503


Updated best Fitness Position =   0.88046049


--------
Iteration No: 36
c1 =   0.44837291    c2 =   0.36581618
velocity =

   1.0e-05 *

   -0.0004
   -0.1579
   -0.0961

Particle 1 ::   pos(duty)=   0.88046049    fitness(Output Power)= 180.22040503
Particle 2 ::   pos(duty)=   0.88046161    fitness(Output Power)= 180.22040503
```

```
Particle 3 ::   pos(duty)=   0.88046119    fitness(Output Power)= 180.22040503


Updated best Fitness Position =   0.88046049


--------
Iteration No: 37
c1 =   0.76350464    c2 =   0.62789638
velocity =

   1.0e-05 *

   -0.0002
   -0.1493
   -0.0920

Particle 1 ::   pos(duty)=   0.88046048    fitness(Output Power)= 180.22040503
Particle 2 ::   pos(duty)=   0.88046011    fitness(Output Power)= 180.22040503
Particle 3 ::   pos(duty)=   0.88046027    fitness(Output Power)= 180.22040503


Updated best Fitness Position =   0.88046048


--------
Iteration No: 38
c1 =   0.77198039    c2 =   0.93285357
velocity =

   1.0e-06 *

   -0.0011
   -0.4017
   -0.2566

Particle 1 ::   pos(duty)=   0.88046048    fitness(Output Power)= 180.22040503
Particle 2 ::   pos(duty)=   0.88045971    fitness(Output Power)= 180.22040503
Particle 3 ::   pos(duty)=   0.88046001    fitness(Output Power)= 180.22040503


Updated best Fitness Position =   0.88046048


--------
Iteration No: 39
c1 =   0.97274085    c2 =   0.19202835
velocity =

   1.0e-07 *

   -0.0053
   -0.5289
   -0.3739
```

```
Particle 1 ::   pos(duty)=   0.88046048    fitness(Output Power)= 180.22040503
Particle 2 ::   pos(duty)=   0.88045966    fitness(Output Power)= 180.22040503
Particle 3 ::   pos(duty)=   0.88045997    fitness(Output Power)= 180.22040503


Updated best Fitness Position =   0.88046048


--------
Iteration No: 40
c1 =   0.13887420    c2 =   0.69626634
velocity =

   1.0e-06 *

   -0.0003
    0.5465
    0.3365

Particle 1 ::   pos(duty)=   0.88046048    fitness(Output Power)= 180.22040503
Particle 2 ::   pos(duty)=   0.88046021    fitness(Output Power)= 180.22040503
Particle 3 ::   pos(duty)=   0.88046031    fitness(Output Power)= 180.22040503


Updated best Fitness Position =   0.88046048


--------
Iteration No: 41
c1 =   0.09382003    c2 =   0.52540440
velocity =

   1.0e-06 *

   -0.0001
    0.4183
    0.2594

Particle 1 ::   pos(duty)=   0.88046048    fitness(Output Power)= 180.22040503
Particle 2 ::   pos(duty)=   0.88046062    fitness(Output Power)= 180.22040503
Particle 3 ::   pos(duty)=   0.88046057    fitness(Output Power)= 180.22040503


Updated best Fitness Position =   0.88046048


--------
Iteration No: 42
c1 =   0.53034422    c2 =   0.86113981
velocity =

   1.0e-07 *

   -0.0007
    0.8658
```

```
    0.5553

Particle 1 ::   pos(duty)=   0.88046048    fitness(Output Power)= 180.22040503
Particle 2 ::   pos(duty)=   0.88046071    fitness(Output Power)= 180.22040503
Particle 3 ::   pos(duty)=   0.88046062    fitness(Output Power)= 180.22040503


Updated best Fitness Position =   0.88046048


--------
Iteration No: 43
c1 =   0.48485333    c2 =   0.39345636
velocity =

   1.0e-07 *

   -0.0003
   -0.4680
   -0.2799

Particle 1 ::   pos(duty)=   0.88046048    fitness(Output Power)= 180.22040503
Particle 2 ::   pos(duty)=   0.88046066    fitness(Output Power)= 180.22040503
Particle 3 ::   pos(duty)=   0.88046060    fitness(Output Power)= 180.22040503


Updated best Fitness Position =   0.88046048


--------
Iteration No: 44
c1 =   0.67143114    c2 =   0.74125794
velocity =

   1.0e-06 *

   -0.0000
   -0.1585
   -0.0983

Particle 1 ::   pos(duty)=   0.88046048    fitness(Output Power)= 180.22040503
Particle 2 ::   pos(duty)=   0.88046051    fitness(Output Power)= 180.22040503
Particle 3 ::   pos(duty)=   0.88046050    fitness(Output Power)= 180.22040503


Updated best Fitness Position =   0.88046048


--------
Iteration No: 45
c1 =   0.52005247    c2 =   0.34771267
velocity =

   1.0e-07 *
```

```
   -0.0001
   -0.8750
   -0.5453

Particle 1 ::   pos(duty)=   0.88046048    fitness(Output Power)= 180.22040503
Particle 2 ::   pos(duty)=   0.88046042    fitness(Output Power)= 180.22040503
Particle 3 ::   pos(duty)=   0.88046044    fitness(Output Power)= 180.22040503


Updated best Fitness Position =   0.88046048


--------
Iteration No: 46
c1 =   0.14999725    c2 =   0.58609207
velocity =

   1.0e-08 *

   -0.0004
   -0.6398
   -0.4368

Particle 1 ::   pos(duty)=   0.88046048    fitness(Output Power)= 180.22040503
Particle 2 ::   pos(duty)=   0.88046041    fitness(Output Power)= 180.22040503
Particle 3 ::   pos(duty)=   0.88046044    fitness(Output Power)= 180.22040503


Updated best Fitness Position =   0.88046048


--------
Iteration No: 47
c1 =   0.26214532    c2 =   0.04445409
velocity =

   1.0e-09 *

   -0.0021
   -0.0820
   -0.2532

Particle 1 ::   pos(duty)=   0.88046048    fitness(Output Power)= 180.22040503
Particle 2 ::   pos(duty)=   0.88046041    fitness(Output Power)= 180.22040503
Particle 3 ::   pos(duty)=   0.88046044    fitness(Output Power)= 180.22040503


Updated best Fitness Position =   0.88046048


--------
Iteration No: 48
c1 =   0.75493327    c2 =   0.24278536
velocity =
```

```
   1.0e-07 *

   -0.0000
    0.1700
    0.1048

Particle 1 ::   pos(duty)=   0.88046048    fitness(Output Power)= 180.22040503
Particle 2 ::   pos(duty)=   0.88046043    fitness(Output Power)= 180.22040503
Particle 3 ::   pos(duty)=   0.88046045    fitness(Output Power)= 180.22040503


Updated best Fitness Position =   0.88046048


--------
Iteration No: 49
c1 =   0.44240231    c2 =   0.68779609
velocity =

   1.0e-07 *

   -0.0000
    0.4509
    0.2808

Particle 1 ::   pos(duty)=   0.88046048    fitness(Output Power)= 180.22040503
Particle 2 ::   pos(duty)=   0.88046047    fitness(Output Power)= 180.22040503
Particle 3 ::   pos(duty)=   0.88046048    fitness(Output Power)= 180.22040503


Updated best Fitness Position =   0.88046048


--------
Iteration No: 50
c1 =   0.35922821    c2 =   0.73634007
velocity =

   1.0e-07 *

   -0.0000
    0.2851
    0.1781

Particle 1 ::   pos(duty)=   0.88046048    fitness(Output Power)= 180.22040503
Particle 2 ::   pos(duty)=   0.88046050    fitness(Output Power)= 180.22040503
Particle 3 ::   pos(duty)=   0.88046049    fitness(Output Power)= 180.22040503


Updated best Fitness Position =   0.88046048


--------
>>
```