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

---------
INITIAL Particle 1 ::   pos(duty)=   0.16113397    fitness(Output Power)=  10.64447425
INITIAL Particle 2 ::   pos(duty)=   0.75811243    fitness(Output Power)=  67.12516157
INITIAL Particle 3 ::   pos(duty)=   0.87111112    fitness(Output Power)= 174.55697645

================================================
++++++++++++++Start of Iterations++++++++++++++
================================================
Iteration No: 1
c1 =   0.35077674    c2 =   0.68553571
velocity =

    0.1947
    0.0310
         0

Particle 1 ::   pos(duty)=   0.35581985    fitness(Output Power)=  10.64447425
Particle 2 ::   pos(duty)=   0.78909829    fitness(Output Power)=  82.01614752
Particle 3 ::   pos(duty)=   0.87111112    fitness(Output Power)= 174.55697645


Updated best Fitness Position =   0.87111112


--------
Iteration No: 2
c1 =   0.29414863    c2 =   0.53062930
velocity =

    0.2067
    0.0329
         0

Particle 1 ::   pos(duty)=   0.56253425    fitness(Output Power)=  24.91191014
Particle 2 ::   pos(duty)=   0.82199858    fitness(Output Power)= 110.63345248
Particle 3 ::   pos(duty)=   0.87111112    fitness(Output Power)= 174.55697645


Updated best Fitness Position =   0.87111112


--------
Iteration No: 3
c1 =   0.83242339    c2 =   0.59749019
velocity =

    0.1771
    0.0282
         0
```

```
Particle 1 ::   pos(duty)=   0.73964011    fitness(Output Power)=  56.19331028
Particle 2 ::   pos(duty)=   0.85018643    fitness(Output Power)= 146.22780888
Particle 3 ::   pos(duty)=   0.87111112    fitness(Output Power)= 174.55697645


Updated best Fitness Position =   0.87111112


--------
Iteration No: 4
c1 =   0.33531133    c2 =   0.29922502
velocity =

    0.1043
    0.0166
         0

Particle 1 ::   pos(duty)=   0.84392880    fitness(Output Power)= 137.28136936
Particle 2 ::   pos(duty)=   0.86678483    fitness(Output Power)= 169.21479793
Particle 3 ::   pos(duty)=   0.87111112    fitness(Output Power)= 174.55697645


Updated best Fitness Position =   0.87111112


--------
Iteration No: 5
c1 =   0.45259254    c2 =   0.42264565
velocity =

    0.0567
    0.0090
         0

Particle 1 ::   pos(duty)=   0.90066855    fitness(Output Power)= 144.95417414
Particle 2 ::   pos(duty)=   0.87581543    fitness(Output Power)= 178.54700287
Particle 3 ::   pos(duty)=   0.87111112    fitness(Output Power)= 174.55697645


Updated best Fitness Position =   0.87581543


--------
Iteration No: 6
c1 =   0.35960632    c2 =   0.55831920
velocity =

    0.0228
    0.0045
    0.0011

Particle 1 ::   pos(duty)=   0.92348803    fitness(Output Power)=  86.64539757
Particle 2 ::   pos(duty)=   0.88033073    fitness(Output Power)= 180.21989981
Particle 3 ::   pos(duty)=   0.87216172    fitness(Output Power)= 175.69446321
```

```
Updated best Fitness Position =   0.88033073


--------
Iteration No: 7
c1 =   0.74254537    c2 =   0.42433478
velocity =

   -0.0027
    0.0023
    0.0019

Particle 1 ::   pos(duty)=   0.92079471    fitness(Output Power)=  92.63524620
Particle 2 ::   pos(duty)=   0.88258838    fitness(Output Power)= 179.81169973
Particle 3 ::   pos(duty)=   0.87407358    fitness(Output Power)= 177.52469395


Updated best Fitness Position =   0.88033073


--------
Iteration No: 8
c1 =   0.42935579    c2 =   0.12487276
velocity =

   -0.0068
    0.0006
    0.0013

Particle 1 ::   pos(duty)=   0.91397040    fitness(Output Power)= 109.49664260
Particle 2 ::   pos(duty)=   0.88321670    fitness(Output Power)= 179.39724479
Particle 3 ::   pos(duty)=   0.87534205    fitness(Output Power)= 178.23730632


Updated best Fitness Position =   0.88033073


--------
Iteration No: 9
c1 =   0.02443402    c2 =   0.29018527
velocity =

   -0.0074
   -0.0000
    0.0012

Particle 1 ::   pos(duty)=   0.90652354    fitness(Output Power)= 128.97903121
Particle 2 ::   pos(duty)=   0.88316767    fitness(Output Power)= 179.54972644
Particle 3 ::   pos(duty)=   0.87655534    fitness(Output Power)= 179.07847733


Updated best Fitness Position =   0.88033073
```

```
--------
Iteration No: 10
c1 =   0.31752058    c2 =   0.65369013
velocity =

   -0.0113
   -0.0011
    0.0016

Particle 1 ::   pos(duty)=   0.89520769    fitness(Output Power)= 159.70968504
Particle 2 ::   pos(duty)=   0.88204105    fitness(Output Power)= 179.92015731
Particle 3 ::   pos(duty)=   0.87814916    fitness(Output Power)= 179.81720176


Updated best Fitness Position =   0.88033073


--------
Iteration No: 11
c1 =   0.95693592    c2 =   0.93573087
velocity =

   -0.0112
   -0.0019
    0.0016

Particle 1 ::   pos(duty)=   0.88398143    fitness(Output Power)= 179.05174434
Particle 2 ::   pos(duty)=   0.88018291    fitness(Output Power)= 180.21989981
Particle 3 ::   pos(duty)=   0.87976261    fitness(Output Power)= 180.20559914


Updated best Fitness Position =   0.88018291


--------
Iteration No: 12
c1 =   0.45788633    c2 =   0.24047840
velocity =

   -0.0060
   -0.0009
    0.0008

Particle 1 ::   pos(duty)=   0.87800291    fitness(Output Power)= 179.81720176
Particle 2 ::   pos(duty)=   0.87925384    fitness(Output Power)= 180.11586081
Particle 3 ::   pos(duty)=   0.88060977    fitness(Output Power)= 180.21475826


Updated best Fitness Position =   0.88018291


--------
Iteration No: 13
c1 =   0.76389794    c2 =   0.75932738
velocity =
```

```
   -0.0023
    0.0001
    0.0003

Particle 1 ::   pos(duty)=   0.87567579    fitness(Output Power)= 178.54700287
Particle 2 ::   pos(duty)=   0.87935538    fitness(Output Power)= 180.11586081
Particle 3 ::   pos(duty)=   0.88090370    fitness(Output Power)= 180.19084688


Updated best Fitness Position =   0.88018291


--------
Iteration No: 14
c1 =   0.74064806    c2 =   0.74368834
velocity =

   1.0e-03 *

    0.8666
    0.5421
   -0.1545

Particle 1 ::   pos(duty)=   0.87654241    fitness(Output Power)= 179.07847733
Particle 2 ::   pos(duty)=   0.87989748    fitness(Output Power)= 180.20559914
Particle 3 ::   pos(duty)=   0.88074916    fitness(Output Power)= 180.19084688


Updated best Fitness Position =   0.88018291


--------
Iteration No: 15
c1 =   0.10592042    c2 =   0.68156043
velocity =

    0.0015
    0.0004
   -0.0002

Particle 1 ::   pos(duty)=   0.87803009    fitness(Output Power)= 179.81720176
Particle 2 ::   pos(duty)=   0.88025844    fitness(Output Power)= 180.21989981
Particle 3 ::   pos(duty)=   0.88051162    fitness(Output Power)= 180.21475826


Updated best Fitness Position =   0.88025844


--------
Iteration No: 16
c1 =   0.46326058    c2 =   0.21216321
velocity =

   1.0e-03 *
```

```
    0.9329
    0.1805
   -0.1403

Particle 1 ::   pos(duty)=   0.87896304    fitness(Output Power)= 180.03895504
Particle 2 ::   pos(duty)=   0.88043892    fitness(Output Power)= 180.21475826
Particle 3 ::   pos(duty)=   0.88037136    fitness(Output Power)= 180.21989981


Updated best Fitness Position =   0.88025844


--------
Iteration No: 17
c1 =   0.09851874    c2 =   0.82357447
velocity =

   1.0e-03 *

    0.8932
    0.0237
   -0.1073

Particle 1 ::   pos(duty)=   0.87985626    fitness(Output Power)= 180.20559914
Particle 2 ::   pos(duty)=   0.88046259    fitness(Output Power)= 180.21475826
Particle 3 ::   pos(duty)=   0.88026403    fitness(Output Power)= 180.21989981


Updated best Fitness Position =   0.88025844


--------
Iteration No: 18
c1 =   0.17500974    c2 =   0.16356991
velocity =

   1.0e-03 *

    0.4729
   -0.0158
   -0.0540

Particle 1 ::   pos(duty)=   0.88032918    fitness(Output Power)= 180.21989981
Particle 2 ::   pos(duty)=   0.88044678    fitness(Output Power)= 180.21475826
Particle 3 ::   pos(duty)=   0.88021000    fitness(Output Power)= 180.21989981


Updated best Fitness Position =   0.88032918


--------
Iteration No: 19
c1 =   0.66598722    c2 =   0.89438938
velocity =
```

```
   1.0e-03 *

    0.2365
   -0.1001
    0.0156

Particle 1 ::   pos(duty)=   0.88056564    fitness(Output Power)= 180.21475826
Particle 2 ::   pos(duty)=   0.88034663    fitness(Output Power)= 180.21989981
Particle 3 ::   pos(duty)=   0.88022562    fitness(Output Power)= 180.21989981


Updated best Fitness Position =   0.88032918


--------
Iteration No: 20
c1 =   0.51655821    c2 =   0.70270231
velocity =

   1.0e-04 *

    0.0291
   -0.5498
    0.3692

Particle 1 ::   pos(duty)=   0.88056855    fitness(Output Power)= 180.21475826
Particle 2 ::   pos(duty)=   0.88029165    fitness(Output Power)= 180.21989981
Particle 3 ::   pos(duty)=   0.88026254    fitness(Output Power)= 180.21989981


Updated best Fitness Position =   0.88032918


--------
Iteration No: 21
c1 =   0.15359038    c2 =   0.95345707
velocity =

   1.0e-03 *

   -0.1045
   -0.0132
    0.0439

Particle 1 ::   pos(duty)=   0.88046401    fitness(Output Power)= 180.21475826
Particle 2 ::   pos(duty)=   0.88027847    fitness(Output Power)= 180.21989981
Particle 3 ::   pos(duty)=   0.88030642    fitness(Output Power)= 180.21989981


Updated best Fitness Position =   0.88032918


--------
Iteration No: 22
```

```
c1 =   0.54088408    c2 =   0.67973390
velocity =

   1.0e-03 *

   -0.1181
    0.0072
    0.0281

Particle 1 ::   pos(duty)=   0.88034591    fitness(Output Power)= 180.21989981
Particle 2 ::   pos(duty)=   0.88028567    fitness(Output Power)= 180.21989981
Particle 3 ::   pos(duty)=   0.88033454    fitness(Output Power)= 180.21989981


Updated best Fitness Position =   0.88034591


--------
Iteration No: 23
c1 =   0.03656302    c2 =   0.80920385
velocity =

   1.0e-04 *

   -0.5905
    0.2310
    0.1774

Particle 1 ::   pos(duty)=   0.88028686    fitness(Output Power)= 180.21989981
Particle 2 ::   pos(duty)=   0.88030877    fitness(Output Power)= 180.21989981
Particle 3 ::   pos(duty)=   0.88035229    fitness(Output Power)= 180.21989981


Updated best Fitness Position =   0.88028686


--------
Iteration No: 24
c1 =   0.74861887    c2 =   0.12018702
velocity =

   1.0e-04 *

   -0.2952
    0.1049
    0.0573

Particle 1 ::   pos(duty)=   0.88025733    fitness(Output Power)= 180.21989981
Particle 2 ::   pos(duty)=   0.88031926    fitness(Output Power)= 180.21989981
Particle 3 ::   pos(duty)=   0.88035801    fitness(Output Power)= 180.21989981


Updated best Fitness Position =   0.88025733
```

```
--------
Iteration No: 25
c1 =   0.52504516    c2 =   0.32583363
velocity =

   1.0e-04 *

   -0.1476
   -0.0282
   -0.1026

Particle 1 ::   pos(duty)=   0.88024257    fitness(Output Power)= 180.21989981
Particle 2 ::   pos(duty)=   0.88031644    fitness(Output Power)= 180.21989981
Particle 3 ::   pos(duty)=   0.88034775    fitness(Output Power)= 180.21989981


Updated best Fitness Position =   0.88024257


--------
Iteration No: 26
c1 =   0.54644944    c2 =   0.39888075
velocity =

   1.0e-04 *

   -0.0738
   -0.1320
   -0.2191

Particle 1 ::   pos(duty)=   0.88023519    fitness(Output Power)= 180.21989981
Particle 2 ::   pos(duty)=   0.88030324    fitness(Output Power)= 180.21989981
Particle 3 ::   pos(duty)=   0.88032584    fitness(Output Power)= 180.21989981


Updated best Fitness Position =   0.88023519


--------
Iteration No: 27
c1 =   0.41509339    c2 =   0.18073776
velocity =

   1.0e-04 *

   -0.0369
   -0.1152
   -0.1751

Particle 1 ::   pos(duty)=   0.88023150    fitness(Output Power)= 180.21989981
Particle 2 ::   pos(duty)=   0.88029172    fitness(Output Power)= 180.21989981
Particle 3 ::   pos(duty)=   0.88030833    fitness(Output Power)= 180.21989981


Updated best Fitness Position =   0.88023150
```

```
--------
Iteration No: 28
c1 =   0.25538674    c2 =   0.02053577
velocity =

   1.0e-05 *

   -0.1845
   -0.6254
   -0.9386

Particle 1 ::   pos(duty)=   0.88022965    fitness(Output Power)= 180.21989981
Particle 2 ::   pos(duty)=   0.88028547    fitness(Output Power)= 180.21989981
Particle 3 ::   pos(duty)=   0.88029894    fitness(Output Power)= 180.21989981


Updated best Fitness Position =   0.88022965


--------
Iteration No: 29
c1 =   0.92367561    c2 =   0.65369989
velocity =

   1.0e-04 *

   -0.0092
   -0.1772
   -0.2281

Particle 1 ::   pos(duty)=   0.88022873    fitness(Output Power)= 180.21989981
Particle 2 ::   pos(duty)=   0.88026775    fitness(Output Power)= 180.21989981
Particle 3 ::   pos(duty)=   0.88027613    fitness(Output Power)= 180.21989981


Updated best Fitness Position =   0.88022873


--------
Iteration No: 30
c1 =   0.93261357    c2 =   0.16351237
velocity =

   1.0e-04 *

   -0.0046
   -0.1141
   -0.1451

Particle 1 ::   pos(duty)=   0.88022827    fitness(Output Power)= 180.21989981
Particle 2 ::   pos(duty)=   0.88025633    fitness(Output Power)= 180.21989981
Particle 3 ::   pos(duty)=   0.88026163    fitness(Output Power)= 180.21989981
```

```
Updated best Fitness Position =   0.88022827


--------
Iteration No: 31
c1 =   0.92109726    c2 =   0.79465789
velocity =

   1.0e-04 *

   -0.0023
   -0.1463
   -0.1786

Particle 1 ::   pos(duty)=   0.88022804    fitness(Output Power)= 180.21989981
Particle 2 ::   pos(duty)=   0.88024171    fitness(Output Power)= 180.21989981
Particle 3 ::   pos(duty)=   0.88024377    fitness(Output Power)= 180.21989981


Updated best Fitness Position =   0.88022804


--------
Iteration No: 32
c1 =   0.57739420    c2 =   0.44003560
velocity =

   1.0e-04 *

   -0.0012
   -0.0972
   -0.1170

Particle 1 ::   pos(duty)=   0.88022792    fitness(Output Power)= 180.21989981
Particle 2 ::   pos(duty)=   0.88023199    fitness(Output Power)= 180.21989981
Particle 3 ::   pos(duty)=   0.88023207    fitness(Output Power)= 180.21989981


Updated best Fitness Position =   0.88022792


--------
Iteration No: 33
c1 =   0.25761374    c2 =   0.75194639
velocity =

   1.0e-05 *

   -0.0058
   -0.6082
   -0.7097

Particle 1 ::   pos(duty)=   0.88022787    fitness(Output Power)= 180.21989981
Particle 2 ::   pos(duty)=   0.88022590    fitness(Output Power)= 180.21989981
```

```
Particle 3 ::   pos(duty)=   0.88022498    fitness(Output Power)= 180.21989981


Updated best Fitness Position =   0.88022787


--------
Iteration No: 34
c1 =   0.22866948    c2 =   0.06418709
velocity =

   1.0e-05 *

   -0.0029
   -0.2991
   -0.3474

Particle 1 ::   pos(duty)=   0.88022784    fitness(Output Power)= 180.21989981
Particle 2 ::   pos(duty)=   0.88022291    fitness(Output Power)= 180.21989981
Particle 3 ::   pos(duty)=   0.88022150    fitness(Output Power)= 180.21989981


Updated best Fitness Position =   0.88022784


--------
Iteration No: 35
c1 =   0.76732951    c2 =   0.67120219
velocity =

   1.0e-06 *

   -0.0144
   -0.1739
   -0.0365

Particle 1 ::   pos(duty)=   0.88022782    fitness(Output Power)= 180.21989981
Particle 2 ::   pos(duty)=   0.88022274    fitness(Output Power)= 180.21989981
Particle 3 ::   pos(duty)=   0.88022147    fitness(Output Power)= 180.21989981


Updated best Fitness Position =   0.88022782


--------
Iteration No: 36
c1 =   0.71521251    c2 =   0.64206083
velocity =

   1.0e-05 *

   -0.0007
    0.1218
    0.1614
```

```
Particle 1 ::   pos(duty)=   0.88022781    fitness(Output Power)= 180.21989981
Particle 2 ::   pos(duty)=   0.88022396    fitness(Output Power)= 180.21989981
Particle 3 ::   pos(duty)=   0.88022308    fitness(Output Power)= 180.21989981


Updated best Fitness Position =   0.88022781


--------
Iteration No: 37
c1 =   0.41904829    c2 =   0.39076208
velocity =

   1.0e-05 *

   -0.0004
    0.1212
    0.1547

Particle 1 ::   pos(duty)=   0.88022781    fitness(Output Power)= 180.21989981
Particle 2 ::   pos(duty)=   0.88022517    fitness(Output Power)= 180.21989981
Particle 3 ::   pos(duty)=   0.88022463    fitness(Output Power)= 180.21989981


Updated best Fitness Position =   0.88022781


--------
Iteration No: 38
c1 =   0.81614010    c2 =   0.31742786
velocity =

   1.0e-05 *

   -0.0002
    0.0941
    0.1178

Particle 1 ::   pos(duty)=   0.88022781    fitness(Output Power)= 180.21989981
Particle 2 ::   pos(duty)=   0.88022611    fitness(Output Power)= 180.21989981
Particle 3 ::   pos(duty)=   0.88022580    fitness(Output Power)= 180.21989981


Updated best Fitness Position =   0.88022781


--------
Iteration No: 39
c1 =   0.81453977    c2 =   0.78907351
velocity =

   1.0e-05 *

   -0.0001
    0.1006
```

```
    0.1222

Particle 1 ::   pos(duty)=   0.88022781    fitness(Output Power)= 180.21989981
Particle 2 ::   pos(duty)=   0.88022712    fitness(Output Power)= 180.21989981
Particle 3 ::   pos(duty)=   0.88022703    fitness(Output Power)= 180.21989981


Updated best Fitness Position =   0.88022781


--------
Iteration No: 40
c1 =   0.85226389    c2 =   0.50563662
velocity =

   1.0e-06 *

   -0.0005
    0.6429
    0.7690

Particle 1 ::   pos(duty)=   0.88022781    fitness(Output Power)= 180.21989981
Particle 2 ::   pos(duty)=   0.88022776    fitness(Output Power)= 180.21989981
Particle 3 ::   pos(duty)=   0.88022780    fitness(Output Power)= 180.21989981


Updated best Fitness Position =   0.88022781


--------
Iteration No: 41
c1 =   0.63566139    c2 =   0.95089442
velocity =

   1.0e-06 *

   -0.0002
    0.3394
    0.3893

Particle 1 ::   pos(duty)=   0.88022781    fitness(Output Power)= 180.21989981
Particle 2 ::   pos(duty)=   0.88022810    fitness(Output Power)= 180.21989981
Particle 3 ::   pos(duty)=   0.88022818    fitness(Output Power)= 180.21989981


Updated best Fitness Position =   0.88022781


--------
Iteration No: 42
c1 =   0.44396416    c2 =   0.06001882
velocity =

   1.0e-06 *
```

```
   -0.0001
    0.1627
    0.1856

Particle 1 ::   pos(duty)=   0.88022781    fitness(Output Power)= 180.21989981
Particle 2 ::   pos(duty)=   0.88022826    fitness(Output Power)= 180.21989981
Particle 3 ::   pos(duty)=   0.88022837    fitness(Output Power)= 180.21989981


Updated best Fitness Position =   0.88022781


--------
Iteration No: 43
c1 =   0.86674990    c2 =   0.63118873
velocity =

   1.0e-07 *

   -0.0006
   -0.3361
   -0.4926

Particle 1 ::   pos(duty)=   0.88022781    fitness(Output Power)= 180.21989981
Particle 2 ::   pos(duty)=   0.88022823    fitness(Output Power)= 180.21989981
Particle 3 ::   pos(duty)=   0.88022832    fitness(Output Power)= 180.21989981


Updated best Fitness Position =   0.88022781


--------
Iteration No: 44
c1 =   0.35507365    c2 =   0.99700327
velocity =

   1.0e-06 *

   -0.0000
   -0.1850
   -0.2294

Particle 1 ::   pos(duty)=   0.88022781    fitness(Output Power)= 180.21989981
Particle 2 ::   pos(duty)=   0.88022804    fitness(Output Power)= 180.21989981
Particle 3 ::   pos(duty)=   0.88022809    fitness(Output Power)= 180.21989981


Updated best Fitness Position =   0.88022781


--------
Iteration No: 45
c1 =   0.22417150    c2 =   0.65245107
velocity =
```

```
   1.0e-06 *

   -0.0000
   -0.1543
   -0.1888

Particle 1 ::   pos(duty)=   0.88022781    fitness(Output Power)= 180.21989981
Particle 2 ::   pos(duty)=   0.88022789    fitness(Output Power)= 180.21989981
Particle 3 ::   pos(duty)=   0.88022790    fitness(Output Power)= 180.21989981


Updated best Fitness Position =   0.88022781


--------
Iteration No: 46
c1 =   0.60499064    c2 =   0.38724543
velocity =

   1.0e-06 *

   -0.0000
   -0.0899
   -0.1092

Particle 1 ::   pos(duty)=   0.88022781    fitness(Output Power)= 180.21989981
Particle 2 ::   pos(duty)=   0.88022780    fitness(Output Power)= 180.21989981
Particle 3 ::   pos(duty)=   0.88022779    fitness(Output Power)= 180.21989981


Updated best Fitness Position =   0.88022781


--------
Iteration No: 47
c1 =   0.14218716    c2 =   0.02513499
velocity =

   1.0e-07 *

   -0.0000
   -0.4488
   -0.5445

Particle 1 ::   pos(duty)=   0.88022781    fitness(Output Power)= 180.21989981
Particle 2 ::   pos(duty)=   0.88022776    fitness(Output Power)= 180.21989981
Particle 3 ::   pos(duty)=   0.88022774    fitness(Output Power)= 180.21989981


Updated best Fitness Position =   0.88022781


--------
Iteration No: 48
c1 =   0.42111225    c2 =   0.18410029
```

```
velocity =

   1.0e-07 *

   -0.0000
   -0.1859
   -0.2219

Particle 1 ::   pos(duty)=   0.88022781    fitness(Output Power)= 180.21989981
Particle 2 ::   pos(duty)=   0.88022774    fitness(Output Power)= 180.21989981
Particle 3 ::   pos(duty)=   0.88022772    fitness(Output Power)= 180.21989981


Updated best Fitness Position =   0.88022781


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Iteration No: 49
c1 =   0.72577527    c2 =   0.37036269
velocity =

   1.0e-08 *

   -0.0001
    0.1207
    0.2318

Particle 1 ::   pos(duty)=   0.88022781    fitness(Output Power)= 180.21989981
Particle 2 ::   pos(duty)=   0.88022774    fitness(Output Power)= 180.21989981
Particle 3 ::   pos(duty)=   0.88022772    fitness(Output Power)= 180.21989981


Updated best Fitness Position =   0.88022781


--------
Iteration No: 50
c1 =   0.84156009    c2 =   0.73422969
velocity =

   1.0e-07 *

   -0.0000
    0.2107
    0.2707

Particle 1 ::   pos(duty)=   0.88022781    fitness(Output Power)= 180.21989981
Particle 2 ::   pos(duty)=   0.88022776    fitness(Output Power)= 180.21989981
Particle 3 ::   pos(duty)=   0.88022775    fitness(Output Power)= 180.21989981


Updated best Fitness Position =   0.88022781


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```

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