

Initial Parameters...

R(load) = 500 ohms

r = 1.00

w = 0.50

INITIAL Particle 1 :: pos(duty)= 0.57102587 fitness(Output Power)= 24.91191014
INITIAL Particle 2 :: pos(duty)= 0.17685506 fitness(Output Power)= 10.64447425
INITIAL Particle 3 :: pos(duty)= 0.95738402 fitness(Output Power)= 26.70493560

=====
+++++Start of Iterations+++++
=====

Iteration No: 1

c1 = 0.26532204 c2 = 0.92458090

velocity =

0.1429

0.2887

0

Particle 1 :: pos(duty)= 0.71391362 fitness(Output Power)= 50.40439394
Particle 2 :: pos(duty)= 0.46551993 fitness(Output Power)= 17.91242412
Particle 3 :: pos(duty)= 0.95738402 fitness(Output Power)= 26.70493560

Updated best Fitness Position = 0.71391362

Iteration No: 2

c1 = 0.22377040 c2 = 0.37356381

velocity =

0.0714

0.1814

-0.0364

Particle 1 :: pos(duty)= 0.78535749 fitness(Output Power)= 82.01614752
Particle 2 :: pos(duty)= 0.64696872 fitness(Output Power)= 31.65212326
Particle 3 :: pos(duty)= 0.92100333 fitness(Output Power)= 92.63524620

Updated best Fitness Position = 0.92100333

Iteration No: 3

c1 = 0.08750035 c2 = 0.64011655

velocity =

0.0705

0.1609

-0.0182

```
Particle 1 :: pos(duty)= 0.85581109 fitness(Output Power)= 153.71605220
Particle 2 :: pos(duty)= 0.80785875 fitness(Output Power)= 99.33598333
Particle 3 :: pos(duty)= 0.90281298 fitness(Output Power)= 139.14522282
```

Updated best Fitness Position = 0.85581109

Iteration No: 4

c1 = 0.18061689 c2 = 0.04505111

velocity =

0.0352
0.0813
-0.0099

```
Particle 1 :: pos(duty)= 0.89103788 fitness(Output Power)= 169.32982308
Particle 2 :: pos(duty)= 0.88916789 fitness(Output Power)= 172.54591014
Particle 3 :: pos(duty)= 0.89287082 fitness(Output Power)= 165.37582175
```

Updated best Fitness Position = 0.88916789

Iteration No: 5

c1 = 0.72317348 c2 = 0.34743765

velocity =

0.0174
0.0407
-0.0055

```
Particle 1 :: pos(duty)= 0.90839140 fitness(Output Power)= 124.12685935
Particle 2 :: pos(duty)= 0.92982246 fitness(Output Power)= 73.02646158
Particle 3 :: pos(duty)= 0.88738512 fitness(Output Power)= 175.38478286
```

Updated best Fitness Position = 0.88738512

Iteration No: 6

c1 = 0.66061682 c2 = 0.38386860

velocity =

0.0009
0.0031
-0.0027

```
Particle 1 :: pos(duty)= 0.90925709 fitness(Output Power)= 121.96529349
Particle 2 :: pos(duty)= 0.93289076 fitness(Output Power)= 66.48784007
Particle 3 :: pos(duty)= 0.88464227 fitness(Output Power)= 178.43901243
```

Updated best Fitness Position = 0.88464227

Iteration No: 7

c1 = 0.62734650 c2 = 0.02164981

velocity =

-0.0044

-0.0099

-0.0014

Particle 1 :: pos(duty)= 0.90490487 fitness(Output Power)= 133.27502142

Particle 2 :: pos(duty)= 0.92303533 fitness(Output Power)= 87.73461369

Particle 3 :: pos(duty)= 0.88327084 fitness(Output Power)= 179.39724479

Updated best Fitness Position = 0.88327084

Iteration No: 8

c1 = 0.91056999 c2 = 0.80055866

velocity =

-0.0142

-0.0300

-0.0007

Particle 1 :: pos(duty)= 0.89075029 fitness(Output Power)= 169.74903457

Particle 2 :: pos(duty)= 0.89303862 fitness(Output Power)= 164.91881989

Particle 3 :: pos(duty)= 0.88258513 fitness(Output Power)= 179.81169973

Updated best Fitness Position = 0.88258513

Iteration No: 9

c1 = 0.74584748 c2 = 0.81311281

velocity =

-0.0097

-0.0196

-0.0003

Particle 1 :: pos(duty)= 0.88101732 fitness(Output Power)= 180.19084688

Particle 2 :: pos(duty)= 0.87348553 fitness(Output Power)= 176.68027529

Particle 3 :: pos(duty)= 0.88224227 fitness(Output Power)= 179.92015731

Updated best Fitness Position = 0.88101732

Iteration No: 10

c1 = 0.38330632 c2 = 0.61727923

velocity =

-0.0049

-0.0079

-0.0005

Particle 1 :: pos(duty)= 0.87615084 fitness(Output Power)= 178.82705206

Particle 2 :: pos(duty)= 0.86556867 fitness(Output Power)= 168.25745543

Particle 3 :: pos(duty)= 0.88176839 fitness(Output Power)= 180.01287527

Updated best Fitness Position = 0.88101732

Iteration No: 11

c1 = 0.57549486 c2 = 0.53005170

velocity =

-0.0003

0.0011

-0.0004

Particle 1 :: pos(duty)= 0.87586965 fitness(Output Power)= 178.82705206

Particle 2 :: pos(duty)= 0.86670812 fitness(Output Power)= 169.21479793

Particle 3 :: pos(duty)= 0.88137221 fitness(Output Power)= 180.14881493

Updated best Fitness Position = 0.88101732

Iteration No: 12

c1 = 0.27506976 c2 = 0.24862896

velocity =

0.0009

0.0027

-0.0002

Particle 1 :: pos(duty)= 0.87680739 fitness(Output Power)= 179.30226694

Particle 2 :: pos(duty)= 0.86944662 fitness(Output Power)= 172.54202137

Particle 3 :: pos(duty)= 0.88113882 fitness(Output Power)= 180.14881493

Updated best Fitness Position = 0.88101732

Iteration No: 13

c1 = 0.45163877 c2 = 0.22771283

velocity =

0.0016
0.0032
-0.0001

Particle 1 ::	pos(duty)=	0.87842027	fitness(Output Power)=	179.93966906
Particle 2 ::	pos(duty)=	0.87259944	fitness(Output Power)=	176.20566917
Particle 3 ::	pos(duty)=	0.88101106	fitness(Output Power)=	180.19084688

Updated best Fitness Position = 0.88101732

Iteration No: 14

c1 = 0.80444958 c2 = 0.98610424

velocity =

0.0027
0.0052
-0.0001

Particle 1 ::	pos(duty)=	0.88108677	fitness(Output Power)=	180.14881493
Particle 2 ::	pos(duty)=	0.87778134	fitness(Output Power)=	179.67072353
Particle 3 ::	pos(duty)=	0.88094965	fitness(Output Power)=	180.19084688

Updated best Fitness Position = 0.88101732

Iteration No: 15

c1 = 0.02999195 c2 = 0.53566419

velocity =

0.0013
0.0033
-0.0000

Particle 1 ::	pos(duty)=	0.88240432	fitness(Output Power)=	179.81169973
Particle 2 ::	pos(duty)=	0.88106565	fitness(Output Power)=	180.14881493
Particle 3 ::	pos(duty)=	0.88093345	fitness(Output Power)=	180.19084688

Updated best Fitness Position = 0.88101732

Iteration No: 16

c1 = 0.08707722 c2 = 0.80209144

velocity =

0.0002
0.0016
0.0000

```
Particle 1 :: pos(duty)= 0.88256978 fitness(Output Power)= 179.81169973
Particle 2 :: pos(duty)= 0.88269230 fitness(Output Power)= 179.68804741
Particle 3 :: pos(duty)= 0.88095226 fitness(Output Power)= 180.19084688
```

```
Updated best Fitness Position = 0.88101732
```

```
-----
```

```
Iteration No: 17
```

```
c1 = 0.98914491 c2 = 0.06694626
```

```
velocity =
```

```
1.0e-03 *
```

```
-0.5731
```

```
0.1249
```

```
0.0111
```

```
Particle 1 :: pos(duty)= 0.88199670 fitness(Output Power)= 180.01287527
Particle 2 :: pos(duty)= 0.88281717 fitness(Output Power)= 179.68804741
Particle 3 :: pos(duty)= 0.88096340 fitness(Output Power)= 180.19084688
```

```
Updated best Fitness Position = 0.88101732
```

```
-----
```

```
Iteration No: 18
```

```
c1 = 0.93939836 c2 = 0.01817753
```

```
velocity =
```

```
1.0e-03 *
```

```
-0.6617
```

```
-0.6088
```

```
0.0060
```

```
Particle 1 :: pos(duty)= 0.88133503 fitness(Output Power)= 180.14881493
Particle 2 :: pos(duty)= 0.88220837 fitness(Output Power)= 179.92015731
Particle 3 :: pos(duty)= 0.88096937 fitness(Output Power)= 180.19084688
```

```
Updated best Fitness Position = 0.88101732
```

```
-----
```

```
Iteration No: 19
```

```
c1 = 0.68383861 c2 = 0.78373648
```

```
velocity =
```

```
1.0e-03 *
```

```
-0.5173
```

-0.9904
0.0180

Particle 1 ::	pos(duty)=	0.88081769	fitness(Output Power)=	180.19084688
Particle 2 ::	pos(duty)=	0.88121801	fitness(Output Power)=	180.14881493
Particle 3 ::	pos(duty)=	0.88098738	fitness(Output Power)=	180.19084688

Updated best Fitness Position = 0.88081769

Iteration No: 20

c1 = 0.53413757 c2 = 0.88535945

velocity =

1.0e-03 *

-0.2587
-0.6370
-0.0511

Particle 1 ::	pos(duty)=	0.88055902	fitness(Output Power)=	180.21475826
Particle 2 ::	pos(duty)=	0.88058106	fitness(Output Power)=	180.21475826
Particle 3 ::	pos(duty)=	0.88093630	fitness(Output Power)=	180.19084688

Updated best Fitness Position = 0.88055902

Iteration No: 21

c1 = 0.89900490 c2 = 0.62593763

velocity =

1.0e-03 *

-0.1293
-0.3240
-0.1200

Particle 1 ::	pos(duty)=	0.88042969	fitness(Output Power)=	180.21475826
Particle 2 ::	pos(duty)=	0.88025706	fitness(Output Power)=	180.21989981
Particle 3 ::	pos(duty)=	0.88081629	fitness(Output Power)=	180.19084688

Updated best Fitness Position = 0.88025706

Iteration No: 22

c1 = 0.13786899 c2 = 0.21780159

velocity =

1.0e-03 *

-0.0797
-0.1620
-0.1087

Particle 1 ::	pos(duty)=	0.88034998	fitness(Output Power)=	180.21989981
Particle 2 ::	pos(duty)=	0.88009507	fitness(Output Power)=	180.21989981
Particle 3 ::	pos(duty)=	0.88070757	fitness(Output Power)=	180.21475826

Updated best Fitness Position = 0.88034998

Iteration No: 23

c1 = 0.18214108 c2 = 0.04181986

velocity =

1.0e-04 *

-0.3985
-0.7673
-0.6034

Particle 1 ::	pos(duty)=	0.88031013	fitness(Output Power)=	180.21989981
Particle 2 ::	pos(duty)=	0.88001833	fitness(Output Power)=	180.20559914
Particle 3 ::	pos(duty)=	0.88064723	fitness(Output Power)=	180.21475826

Updated best Fitness Position = 0.88031013

Iteration No: 24

c1 = 0.10694166 c2 = 0.61644349

velocity =

1.0e-03 *

-0.0199
0.0369
-0.1133

Particle 1 ::	pos(duty)=	0.88029020	fitness(Output Power)=	180.21989981
Particle 2 ::	pos(duty)=	0.88005520	fitness(Output Power)=	180.20559914
Particle 3 ::	pos(duty)=	0.88053394	fitness(Output Power)=	180.21475826

Updated best Fitness Position = 0.88029020

Iteration No: 25

c1 = 0.93966101 c2 = 0.35445573

velocity =

1.0e-04 *

-0.0996

0.6674

-0.9120

Particle 1 ::	pos(duty)=	0.88028024	fitness(Output Power)=	180.21989981
Particle 2 ::	pos(duty)=	0.88012194	fitness(Output Power)=	180.21989981
Particle 3 ::	pos(duty)=	0.88044273	fitness(Output Power)=	180.21475826

Updated best Fitness Position = 0.88028024

Iteration No: 26

c1 = 0.41062909 c2 = 0.98434942

velocity =

1.0e-03 *

-0.0050

0.0957

-0.1096

Particle 1 ::	pos(duty)=	0.88027526	fitness(Output Power)=	180.21989981
Particle 2 ::	pos(duty)=	0.88021764	fitness(Output Power)=	180.21989981
Particle 3 ::	pos(duty)=	0.88033315	fitness(Output Power)=	180.21989981

Updated best Fitness Position = 0.88027526

Iteration No: 27

c1 = 0.94557919 c2 = 0.67664468

velocity =

1.0e-04 *

-0.0249

0.6345

-0.7046

Particle 1 ::	pos(duty)=	0.88027277	fitness(Output Power)=	180.21989981
Particle 2 ::	pos(duty)=	0.88028108	fitness(Output Power)=	180.21989981
Particle 3 ::	pos(duty)=	0.88026269	fitness(Output Power)=	180.21989981

Updated best Fitness Position = 0.88027277

Iteration No: 28

```
c1 = 0.98830226    c2 = 0.76683139
velocity =
```

```
1.0e-04 *
```

```
-0.0125
```

```
0.2917
```

```
-0.3214
```

```
Particle 1 :: pos(duty)= 0.88027152    fitness(Output Power)= 180.21989981
Particle 2 :: pos(duty)= 0.88031025    fitness(Output Power)= 180.21989981
Particle 3 :: pos(duty)= 0.88023055    fitness(Output Power)= 180.21989981
```

```
Updated best Fitness Position = 0.88027152
```

```
-----
```

```
Iteration No: 29
```

```
c1 = 0.33669926    c2 = 0.66238186
```

```
velocity =
```

```
1.0e-05 *
```

```
-0.0623
```

```
0.4324
```

```
-0.5215
```

```
Particle 1 :: pos(duty)= 0.88027090    fitness(Output Power)= 180.21989981
Particle 2 :: pos(duty)= 0.88031458    fitness(Output Power)= 180.21989981
Particle 3 :: pos(duty)= 0.88022534    fitness(Output Power)= 180.21989981
```

```
Updated best Fitness Position = 0.88027090
```

```
-----
```

```
Iteration No: 30
```

```
c1 = 0.24416529    c2 = 0.29550725
```

```
velocity =
```

```
1.0e-05 *
```

```
-0.0311
```

```
-0.3001
```

```
0.2778
```

```
Particle 1 :: pos(duty)= 0.88027059    fitness(Output Power)= 180.21989981
Particle 2 :: pos(duty)= 0.88031158    fitness(Output Power)= 180.21989981
Particle 3 :: pos(duty)= 0.88022812    fitness(Output Power)= 180.21989981
```

```
Updated best Fitness Position = 0.88027059
```

Iteration No: 31

c1 = 0.68017837 c2 = 0.52784683

velocity =

1.0e-04 *

-0.0016

-0.1015

0.1036

Particle 1 :: pos(duty)= 0.88027043 fitness(Output Power)= 180.21989981

Particle 2 :: pos(duty)= 0.88030142 fitness(Output Power)= 180.21989981

Particle 3 :: pos(duty)= 0.88023847 fitness(Output Power)= 180.21989981

Updated best Fitness Position = 0.88027043

Iteration No: 32

c1 = 0.41159351 c2 = 0.60263822

velocity =

1.0e-04 *

-0.0008

-0.1255

0.1288

Particle 1 :: pos(duty)= 0.88027035 fitness(Output Power)= 180.21989981

Particle 2 :: pos(duty)= 0.88028887 fitness(Output Power)= 180.21989981

Particle 3 :: pos(duty)= 0.88025136 fitness(Output Power)= 180.21989981

Updated best Fitness Position = 0.88027035

Iteration No: 33

c1 = 0.75052006 c2 = 0.58353317

velocity =

1.0e-04 *

-0.0004

-0.1060

0.1088

Particle 1 :: pos(duty)= 0.88027032 fitness(Output Power)= 180.21989981

Particle 2 :: pos(duty)= 0.88027828 fitness(Output Power)= 180.21989981

Particle 3 :: pos(duty)= 0.88026223 fitness(Output Power)= 180.21989981

Updated best Fitness Position = 0.88027032

Iteration No: 34

c1 = 0.55179251 c2 = 0.58357062

velocity =

1.0e-05 *

-0.0019

-0.7157

0.7325

Particle 1 :: pos(duty)= 0.88027030 fitness(Output Power)= 180.21989981

Particle 2 :: pos(duty)= 0.88027112 fitness(Output Power)= 180.21989981

Particle 3 :: pos(duty)= 0.88026956 fitness(Output Power)= 180.21989981

Updated best Fitness Position = 0.88027030

Iteration No: 35

c1 = 0.51181992 c2 = 0.08259273

velocity =

1.0e-05 *

-0.0010

-0.3606

0.3687

Particle 1 :: pos(duty)= 0.88027029 fitness(Output Power)= 180.21989981

Particle 2 :: pos(duty)= 0.88026752 fitness(Output Power)= 180.21989981

Particle 3 :: pos(duty)= 0.88027324 fitness(Output Power)= 180.21989981

Updated best Fitness Position = 0.88027029

Iteration No: 36

c1 = 0.71957013 c2 = 0.99615611

velocity =

1.0e-06 *

-0.0049

-0.6987

0.6654

Particle 1 :: pos(duty)= 0.88027028 fitness(Output Power)= 180.21989981

Particle 2 :: pos(duty)= 0.88026682 fitness(Output Power)= 180.21989981

Particle 3 :: pos(duty)= 0.88027391 fitness(Output Power)= 180.21989981

Updated best Fitness Position = 0.88027028

Iteration No: 37

c1 = 0.35453430 c2 = 0.97125882

velocity =

1.0e-05 *

-0.0002

0.0997

-0.1076

Particle 1 :: pos(duty)= 0.88027028 fitness(Output Power)= 180.21989981

Particle 2 :: pos(duty)= 0.88026781 fitness(Output Power)= 180.21989981

Particle 3 :: pos(duty)= 0.88027283 fitness(Output Power)= 180.21989981

Updated best Fitness Position = 0.88027028

Iteration No: 38

c1 = 0.34644876 c2 = 0.88654386

velocity =

1.0e-05 *

-0.0001

0.1373

-0.1444

Particle 1 :: pos(duty)= 0.88027028 fitness(Output Power)= 180.21989981

Particle 2 :: pos(duty)= 0.88026919 fitness(Output Power)= 180.21989981

Particle 3 :: pos(duty)= 0.88027139 fitness(Output Power)= 180.21989981

Updated best Fitness Position = 0.88027028

Iteration No: 39

c1 = 0.45469486 c2 = 0.41342729

velocity =

1.0e-06 *

-0.0006

0.8669

-0.9054

Particle 1 :: pos(duty)= 0.88027028 fitness(Output Power)= 180.21989981

Particle 2 :: pos(duty)= 0.88027005 fitness(Output Power)= 180.21989981

```
Particle 3 :: pos(duty)= 0.88027048 fitness(Output Power)= 180.21989981
```

```
Updated best Fitness Position = 0.88027028
```

```
-----
```

```
Iteration No: 40
```

```
c1 = 0.21773207 c2 = 0.12565459
```

```
velocity =
```

```
1.0e-06 *
```

```
-0.0003
```

```
0.4447
```

```
-0.4631
```

```
Particle 1 :: pos(duty)= 0.88027028 fitness(Output Power)= 180.21989981
```

```
Particle 2 :: pos(duty)= 0.88027050 fitness(Output Power)= 180.21989981
```

```
Particle 3 :: pos(duty)= 0.88027002 fitness(Output Power)= 180.21989981
```

```
Updated best Fitness Position = 0.88027028
```

```
-----
```

```
Iteration No: 41
```

```
c1 = 0.30891459 c2 = 0.72610443
```

```
velocity =
```

```
1.0e-06 *
```

```
-0.0002
```

```
0.1582
```

```
-0.1569
```

```
Particle 1 :: pos(duty)= 0.88027028 fitness(Output Power)= 180.21989981
```

```
Particle 2 :: pos(duty)= 0.88027066 fitness(Output Power)= 180.21989981
```

```
Particle 3 :: pos(duty)= 0.88026986 fitness(Output Power)= 180.21989981
```

```
Updated best Fitness Position = 0.88027028
```

```
-----
```

```
Iteration No: 42
```

```
c1 = 0.78287207 c2 = 0.69378761
```

```
velocity =
```

```
1.0e-07 *
```

```
-0.0008
```

```
-0.2614
```

```
0.3635
```

```
Particle 1 :: pos(duty)= 0.88027028 fitness(Output Power)= 180.21989981
Particle 2 :: pos(duty)= 0.88027063 fitness(Output Power)= 180.21989981
Particle 3 :: pos(duty)= 0.88026990 fitness(Output Power)= 180.21989981
```

Updated best Fitness Position = 0.88027028

Iteration No: 43

c1 = 0.00980225 c2 = 0.84321334

velocity =

1.0e-06 *

-0.0000

-0.1322

0.1454

```
Particle 1 :: pos(duty)= 0.88027028 fitness(Output Power)= 180.21989981
Particle 2 :: pos(duty)= 0.88027050 fitness(Output Power)= 180.21989981
Particle 3 :: pos(duty)= 0.88027005 fitness(Output Power)= 180.21989981
```

Updated best Fitness Position = 0.88027028

Iteration No: 44

c1 = 0.92233200 c2 = 0.77095422

velocity =

1.0e-06 *

-0.0000

-0.1343

0.1442

```
Particle 1 :: pos(duty)= 0.88027028 fitness(Output Power)= 180.21989981
Particle 2 :: pos(duty)= 0.88027036 fitness(Output Power)= 180.21989981
Particle 3 :: pos(duty)= 0.88027019 fitness(Output Power)= 180.21989981
```

Updated best Fitness Position = 0.88027028

Iteration No: 45

c1 = 0.04265986 c2 = 0.37818614

velocity =

1.0e-07 *

-0.0001

-0.8026

0.8535

```
Particle 1 :: pos(duty)= 0.88027028 fitness(Output Power)= 180.21989981
Particle 2 :: pos(duty)= 0.88027028 fitness(Output Power)= 180.21989981
Particle 3 :: pos(duty)= 0.88027027 fitness(Output Power)= 180.21989981
```

Updated best Fitness Position = 0.88027028

Iteration No: 46

c1 = 0.70433962 c2 = 0.72951305

velocity =

1.0e-07 *

-0.0000

-0.4204

0.4333

```
Particle 1 :: pos(duty)= 0.88027028 fitness(Output Power)= 180.21989981
Particle 2 :: pos(duty)= 0.88027024 fitness(Output Power)= 180.21989981
Particle 3 :: pos(duty)= 0.88027032 fitness(Output Power)= 180.21989981
```

Updated best Fitness Position = 0.88027028

Iteration No: 47

c1 = 0.22427707 c2 = 0.26905473

velocity =

1.0e-07 *

-0.0000

-0.1720

0.1724

```
Particle 1 :: pos(duty)= 0.88027028 fitness(Output Power)= 180.21989981
Particle 2 :: pos(duty)= 0.88027022 fitness(Output Power)= 180.21989981
Particle 3 :: pos(duty)= 0.88027034 fitness(Output Power)= 180.21989981
```

Updated best Fitness Position = 0.88027028

Iteration No: 48

c1 = 0.67303117 c2 = 0.47749220

velocity =

1.0e-08 *


```
-0.0001
0.1464
-0.2522
```

```
Particle 1 :: pos(duty)= 0.88027028 fitness(Output Power)= 180.21989981
Particle 2 :: pos(duty)= 0.88027023 fitness(Output Power)= 180.21989981
Particle 3 :: pos(duty)= 0.88027033 fitness(Output Power)= 180.21989981
```

```
Updated best Fitness Position = 0.88027028
```

```
-----
```

```
Iteration No: 49
```

```
c1 = 0.62371641 c2 = 0.23644493
```

```
velocity =
```

```
1.0e-08 *
```

```
-0.0001
0.5577
-0.6540
```

```
Particle 1 :: pos(duty)= 0.88027028 fitness(Output Power)= 180.21989981
Particle 2 :: pos(duty)= 0.88027023 fitness(Output Power)= 180.21989981
Particle 3 :: pos(duty)= 0.88027033 fitness(Output Power)= 180.21989981
```

```
Updated best Fitness Position = 0.88027028
```

```
-----
```

```
Iteration No: 50
```

```
c1 = 0.17712375 c2 = 0.82964339
```

```
velocity =
```

```
1.0e-07 *
```

```
-0.0000
0.1794
-0.1962
```

```
Particle 1 :: pos(duty)= 0.88027028 fitness(Output Power)= 180.21989981
Particle 2 :: pos(duty)= 0.88027025 fitness(Output Power)= 180.21989981
Particle 3 :: pos(duty)= 0.88027031 fitness(Output Power)= 180.21989981
```

```
Updated best Fitness Position = 0.88027028
```

```
-----
```

```
>>
```