

Initial Parameters...

R(load) = 500 ohms

r = 1.00

w = 0.50

INITIAL Particle 1 :: pos(duty)= 0.80101462 fitness(Output Power)= 89.71194028
INITIAL Particle 2 :: pos(duty)= 0.02922028 fitness(Output Power)= 4.63043708
INITIAL Particle 3 :: pos(duty)= 0.92885414 fitness(Output Power)= 75.15135528

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

Iteration No: 1

c1 = 0.73033086 c2 = 0.48860897

velocity =

0
0.3771
-0.0625

Particle 1 :: pos(duty)= 0.80101462 fitness(Output Power)= 89.71194028
Particle 2 :: pos(duty)= 0.40632592 fitness(Output Power)= 11.38361871
Particle 3 :: pos(duty)= 0.86639060 fitness(Output Power)= 168.55022451

Updated best Fitness Position = 0.86639060

Iteration No: 2
c1 = 0.57852506 c2 = 0.23728358
velocity =

0.0155
0.2977
-0.0312

Particle 1 :: pos(duty)= 0.81652727 fitness(Output Power)= 104.01866241
Particle 2 :: pos(duty)= 0.70404454 fitness(Output Power)= 42.54043113
Particle 3 :: pos(duty)= 0.83515884 fitness(Output Power)= 124.90463469

Updated best Fitness Position = 0.86639060

Iteration No: 3
c1 = 0.45884883 c2 = 0.96308854
velocity =

0.0558
0.3052
0.0288

```
Particle 1 :: pos(duty)= 0.87230640 fitness(Output Power)= 175.58771581
Particle 2 :: pos(duty)= 0.95000000 fitness(Output Power)= 37.11431295
Particle 3 :: pos(duty)= 0.86395257 fitness(Output Power)= 165.16983684
```

Updated best Fitness Position = 0.87230640

Iteration No: 4

c1 = 0.54680572 c2 = 0.52113583

velocity =

0.0279
-0.0224
0.0201

```
Particle 1 :: pos(duty)= 0.90019596 fitness(Output Power)= 146.62860891
Particle 2 :: pos(duty)= 0.92762770 fitness(Output Power)= 77.76647137
Particle 3 :: pos(duty)= 0.88403605 fitness(Output Power)= 179.03310141
```

Updated best Fitness Position = 0.88403605

Iteration No: 5

c1 = 0.23159439 c2 = 0.48889774

velocity =

-0.0004
-0.0325
0.0100

```
Particle 1 :: pos(duty)= 0.89978113 fitness(Output Power)= 147.77489590
Particle 2 :: pos(duty)= 0.89512969 fitness(Output Power)= 160.00133667
Particle 3 :: pos(duty)= 0.89407779 fitness(Output Power)= 162.58952587
```

Updated best Fitness Position = 0.88403605

Iteration No: 6

c1 = 0.62406009 c2 = 0.67913554

velocity =

-0.0280
-0.0238
-0.0081

```
Particle 1 :: pos(duty)= 0.87173479 fitness(Output Power)= 174.97302329
Particle 2 :: pos(duty)= 0.87134660 fitness(Output Power)= 174.55697645
Particle 3 :: pos(duty)= 0.88601231 fitness(Output Power)= 177.27550332
```

Updated best Fitness Position = 0.88403605

Iteration No: 7

c1 = 0.39551522 c2 = 0.36743665

velocity =

-0.0093

-0.0072

-0.0055

Particle 1 :: pos(duty)= 0.86245763 fitness(Output Power)= 163.13001910

Particle 2 :: pos(duty)= 0.86411762 fitness(Output Power)= 165.39829436

Particle 3 :: pos(duty)= 0.88047178 fitness(Output Power)= 180.22040503

Updated best Fitness Position = 0.88047178

Iteration No: 8

c1 = 0.98798200 c2 = 0.03773887

velocity =

0.0058

0.0041

-0.0028

Particle 1 :: pos(duty)= 0.86822929 fitness(Output Power)= 170.89204054

Particle 2 :: pos(duty)= 0.86826242 fitness(Output Power)= 170.97535041

Particle 3 :: pos(duty)= 0.87770151 fitness(Output Power)= 179.60521774

Updated best Fitness Position = 0.88047178

Iteration No: 9

c1 = 0.88516801 c2 = 0.91328683

velocity =

0.0177

0.0160

0.0036

Particle 1 :: pos(duty)= 0.88590495 fitness(Output Power)= 177.41012441

Particle 2 :: pos(duty)= 0.88421548 fitness(Output Power)= 178.91859379

Particle 3 :: pos(duty)= 0.88129857 fitness(Output Power)= 180.15864056

Updated best Fitness Position = 0.88047178

Iteration No: 10

c1 = 0.79618387 c2 = 0.09871228

velocity =

0.0083

0.0076

0.0011

Particle 1 :: pos(duty)= 0.89420646 fitness(Output Power)= 162.25798465

Particle 2 :: pos(duty)= 0.89182246 fitness(Output Power)= 167.69788509

Particle 3 :: pos(duty)= 0.88235721 fitness(Output Power)= 179.89970725

Updated best Fitness Position = 0.88047178

Iteration No: 11

c1 = 0.26187118 c2 = 0.33535684

velocity =

-0.0026

-0.0020

-0.0006

Particle 1 :: pos(duty)= 0.89157726 fitness(Output Power)= 168.21961451

Particle 2 :: pos(duty)= 0.88982737 fitness(Output Power)= 171.69466148

Particle 3 :: pos(duty)= 0.88176049 fitness(Output Power)= 180.06811138

Updated best Fitness Position = 0.88047178

Iteration No: 12

c1 = 0.67972795 c2 = 0.13655314

velocity =

-0.0067

-0.0061

-0.0014

Particle 1 :: pos(duty)= 0.88489055 fitness(Output Power)= 178.37188198

Particle 2 :: pos(duty)= 0.88373773 fitness(Output Power)= 179.23109291

Particle 3 :: pos(duty)= 0.88041018 fitness(Output Power)= 180.22024928

Updated best Fitness Position = 0.88047178

Iteration No: 13

c1 = 0.72122750 c2 = 0.10676186

velocity =

-0.0038
-0.0034
-0.0006

Particle 1 ::	pos(duty)=	0.88107543	fitness(Output Power)=	180.18744860
Particle 2 ::	pos(duty)=	0.88034423	fitness(Output Power)=	180.21935595
Particle 3 ::	pos(duty)=	0.87978602	fitness(Output Power)=	180.17969307

Updated best Fitness Position = 0.88047178

Iteration No: 14

c1 = 0.65375735 c2 = 0.49417394

velocity =

-0.0022
-0.0016
0.0005

Particle 1 ::	pos(duty)=	0.87886956	fitness(Output Power)=	180.01155508
Particle 2 ::	pos(duty)=	0.87871051	fitness(Output Power)=	179.96135472
Particle 3 ::	pos(duty)=	0.88026114	fitness(Output Power)=	180.21655106

Updated best Fitness Position = 0.88047178

Iteration No: 15

c1 = 0.77905172 c2 = 0.71503708

velocity =

0.0018
0.0017
0.0006

Particle 1 ::	pos(duty)=	0.88063076	fitness(Output Power)=	180.21830170
Particle 2 ::	pos(duty)=	0.88042577	fitness(Output Power)=	180.22024928
Particle 3 ::	pos(duty)=	0.88081341	fitness(Output Power)=	180.20952570

Updated best Fitness Position = 0.88047178

Iteration No: 16

c1 = 0.90372056 c2 = 0.89092250

velocity =

1.0e-03 *

0.7390

0.8986
-0.3370

Particle 1 ::	pos(duty)=	0.88136971	fitness(Output Power)=	180.14881493
Particle 2 ::	pos(duty)=	0.88132439	fitness(Output Power)=	180.15381551
Particle 3 ::	pos(duty)=	0.88047643	fitness(Output Power)=	180.22036773

Updated best Fitness Position = 0.88047178

Iteration No: 17

c1 = 0.33416305 c2 = 0.69874583

velocity =

1.0e-03 *

-0.5049
-0.4467
-0.1733

Particle 1 ::	pos(duty)=	0.88086483	fitness(Output Power)=	180.20740922
Particle 2 ::	pos(duty)=	0.88087765	fitness(Output Power)=	180.20510769
Particle 3 ::	pos(duty)=	0.88030314	fitness(Output Power)=	180.21768226

Updated best Fitness Position = 0.88047178

Iteration No: 18

c1 = 0.19780983 c2 = 0.03054095

velocity =

1.0e-03 *

-0.3107
-0.3252
-0.0481

Particle 1 ::	pos(duty)=	0.88055408	fitness(Output Power)=	180.21971674
Particle 2 ::	pos(duty)=	0.88055250	fitness(Output Power)=	180.21971674
Particle 3 ::	pos(duty)=	0.88025500	fitness(Output Power)=	180.21655106

Updated best Fitness Position = 0.88047178

Iteration No: 19

c1 = 0.74407426 c2 = 0.50002244

velocity =

1.0e-03 *

-0.1965
-0.2972
0.2456

Particle 1 ::	pos(duty)=	0.88035755	fitness(Output Power)=	180.21935595
Particle 2 ::	pos(duty)=	0.88025527	fitness(Output Power)=	180.21655106
Particle 3 ::	pos(duty)=	0.88050062	fitness(Output Power)=	180.22036773

Updated best Fitness Position = 0.88047178

Iteration No: 20

c1 = 0.47992214 c2 = 0.90472224

velocity =

1.0e-03 *

0.0994
0.1291
0.0829

Particle 1 ::	pos(duty)=	0.88045695	fitness(Output Power)=	180.22040503
Particle 2 ::	pos(duty)=	0.88038436	fitness(Output Power)=	180.21989981
Particle 3 ::	pos(duty)=	0.88058349	fitness(Output Power)=	180.21910439

Updated best Fitness Position = 0.88045695

Iteration No: 21

c1 = 0.60986665 c2 = 0.61766639

velocity =

1.0e-03 *

0.0497
0.1346
-0.1049

Particle 1 ::	pos(duty)=	0.88050664	fitness(Output Power)=	180.22013808
Particle 2 ::	pos(duty)=	0.88051900	fitness(Output Power)=	180.22013808
Particle 3 ::	pos(duty)=	0.88047863	fitness(Output Power)=	180.22036773

Updated best Fitness Position = 0.88045695

Iteration No: 22

c1 = 0.85944231 c2 = 0.80548942

velocity =

1.0e-04 *

-0.5789

-0.6278

-0.7579

Particle 1 :: pos(duty)= 0.88044875 fitness(Output Power)= 180.22040503

Particle 2 :: pos(duty)= 0.88045621 fitness(Output Power)= 180.22040503

Particle 3 :: pos(duty)= 0.88040284 fitness(Output Power)= 180.21989981

Updated best Fitness Position = 0.88044875

Iteration No: 23

c1 = 0.57672152 c2 = 0.18292247

velocity =

1.0e-04 *

-0.2895

-0.3276

0.1026

Particle 1 :: pos(duty)= 0.88041980 fitness(Output Power)= 180.22024928

Particle 2 :: pos(duty)= 0.88042346 fitness(Output Power)= 180.22024928

Particle 3 :: pos(duty)= 0.88041310 fitness(Output Power)= 180.22024928

Updated best Fitness Position = 0.88044875

Iteration No: 24

c1 = 0.23993201 c2 = 0.88651193

velocity =

1.0e-04 *

0.1813

0.1390

0.5081

Particle 1 :: pos(duty)= 0.88043794 fitness(Output Power)= 180.22024928

Particle 2 :: pos(duty)= 0.88043736 fitness(Output Power)= 180.22024928

Particle 3 :: pos(duty)= 0.88046391 fitness(Output Power)= 180.22040503

Updated best Fitness Position = 0.88044875

Iteration No: 25


```
c1 = 0.02867415    c2 = 0.48990139
velocity =
```

```
1.0e-04 *
```

```
0.1467
```

```
0.1307
```

```
0.1798
```

```
Particle 1 :: pos(duty)= 0.88045261    fitness(Output Power)= 180.22040503
Particle 2 :: pos(duty)= 0.88045043    fitness(Output Power)= 180.22040503
Particle 3 :: pos(duty)= 0.88048189    fitness(Output Power)= 180.22036773
```

```
Updated best Fitness Position = 0.88045261
```

```
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```

```
Iteration No: 26
```

```
c1 = 0.16792715    c2 = 0.97868065
```

```
velocity =
```

```
1.0e-04 *
```

```
0.0734
```

```
0.0867
```

```
-0.2268
```

```
Particle 1 :: pos(duty)= 0.88045995    fitness(Output Power)= 180.22040503
Particle 2 :: pos(duty)= 0.88045910    fitness(Output Power)= 180.22040503
Particle 3 :: pos(duty)= 0.88045921    fitness(Output Power)= 180.22040503
```

```
Updated best Fitness Position = 0.88045995
```

```
-----
```

```
Iteration No: 27
```

```
c1 = 0.71269447    c2 = 0.50047162
```

```
velocity =
```

```
1.0e-04 *
```

```
0.0367
```

```
0.0476
```

```
-0.1097
```

```
Particle 1 :: pos(duty)= 0.88046362    fitness(Output Power)= 180.22040503
Particle 2 :: pos(duty)= 0.88046386    fitness(Output Power)= 180.22040503
Particle 3 :: pos(duty)= 0.88044824    fitness(Output Power)= 180.22040503
```

```
Updated best Fitness Position = 0.88046362
```

Iteration No: 28

c1 = 0.47108837 c2 = 0.05961887

velocity =

1.0e-05 *

0.1834

0.2365

-0.4568

Particle 1 :: pos(duty)= 0.88046545 fitness(Output Power)= 180.22040503

Particle 2 :: pos(duty)= 0.88046622 fitness(Output Power)= 180.22040503

Particle 3 :: pos(duty)= 0.88044367 fitness(Output Power)= 180.22040503

Updated best Fitness Position = 0.88046545

Iteration No: 29

c1 = 0.68197190 c2 = 0.04243114

velocity =

1.0e-05 *

0.0917

0.1150

-0.1360

Particle 1 :: pos(duty)= 0.88046637 fitness(Output Power)= 180.22040503

Particle 2 :: pos(duty)= 0.88046737 fitness(Output Power)= 180.22040503

Particle 3 :: pos(duty)= 0.88044231 fitness(Output Power)= 180.22040503

Updated best Fitness Position = 0.88046637

Iteration No: 30

c1 = 0.07144546 c2 = 0.52164984

velocity =

1.0e-04 *

0.0046

0.0005

0.1187

Particle 1 :: pos(duty)= 0.88046683 fitness(Output Power)= 180.22040503

Particle 2 :: pos(duty)= 0.88046742 fitness(Output Power)= 180.22040503

Particle 3 :: pos(duty)= 0.88045418 fitness(Output Power)= 180.22040503

Updated best Fitness Position = 0.88046683

Iteration No: 31

c1 = 0.09673003 c2 = 0.81814855

velocity =

1.0e-04 *

0.0023

-0.0046

0.1628

Particle 1 :: pos(duty)= 0.88046706 fitness(Output Power)= 180.22040503

Particle 2 :: pos(duty)= 0.88046696 fitness(Output Power)= 180.22040503

Particle 3 :: pos(duty)= 0.88047046 fitness(Output Power)= 180.22040503

Updated best Fitness Position = 0.88046706

Iteration No: 32

c1 = 0.81754709 c2 = 0.72243959

velocity =

1.0e-05 *

0.0115

-0.0163

0.5681

Particle 1 :: pos(duty)= 0.88046717 fitness(Output Power)= 180.22040503

Particle 2 :: pos(duty)= 0.88046680 fitness(Output Power)= 180.22040503

Particle 3 :: pos(duty)= 0.88047614 fitness(Output Power)= 180.22036773

Updated best Fitness Position = 0.88046717

Iteration No: 33

c1 = 0.14986544 c2 = 0.65960525

velocity =

1.0e-05 *

0.0057

0.0165

-0.3929

Particle 1 :: pos(duty)= 0.88046723 fitness(Output Power)= 180.22040503

Particle 2 :: pos(duty)= 0.88046696 fitness(Output Power)= 180.22040503

Particle 3 :: pos(duty)= 0.88047221 fitness(Output Power)= 180.22040503

Updated best Fitness Position = 0.88046723

Iteration No: 34

c1 = 0.51859494 c2 = 0.97297455

velocity =

1.0e-05 *

0.0029

0.0341

-0.6816

Particle 1 :: pos(duty)= 0.88046726 fitness(Output Power)= 180.22040503

Particle 2 :: pos(duty)= 0.88046730 fitness(Output Power)= 180.22040503

Particle 3 :: pos(duty)= 0.88046540 fitness(Output Power)= 180.22040503

Updated best Fitness Position = 0.88046726

Iteration No: 35

c1 = 0.64899149 c2 = 0.80033058

velocity =

1.0e-05 *

0.0014

0.0133

-0.1921

Particle 1 :: pos(duty)= 0.88046727 fitness(Output Power)= 180.22040503

Particle 2 :: pos(duty)= 0.88046744 fitness(Output Power)= 180.22040503

Particle 3 :: pos(duty)= 0.88046348 fitness(Output Power)= 180.22040503

Updated best Fitness Position = 0.88046727

Iteration No: 36

c1 = 0.45379771 c2 = 0.43239150

velocity =

1.0e-06 *

0.0072

-0.0049

0.6800

Particle 1 :: pos(duty)= 0.88046728 fitness(Output Power)= 180.22040503

Particle 2 :: pos(duty)= 0.88046743 fitness(Output Power)= 180.22040503

```
Particle 3 :: pos(duty)= 0.88046416 fitness(Output Power)= 180.22040503
```

```
Updated best Fitness Position = 0.88046728
```

```
-----
```

```
Iteration No: 37
```

```
c1 = 0.82531380 c2 = 0.08346981
```

```
velocity =
```

```
1.0e-06 *
```

```
0.0036
```

```
-0.0152
```

```
0.6005
```

```
Particle 1 :: pos(duty)= 0.88046728 fitness(Output Power)= 180.22040503
```

```
Particle 2 :: pos(duty)= 0.88046742 fitness(Output Power)= 180.22040503
```

```
Particle 3 :: pos(duty)= 0.88046476 fitness(Output Power)= 180.22040503
```

```
Updated best Fitness Position = 0.88046728
```

```
-----
```

```
Iteration No: 38
```

```
c1 = 0.13317101 c2 = 0.17338861
```

```
velocity =
```

```
1.0e-06 *
```

```
0.0018
```

```
-0.0309
```

```
0.7378
```

```
Particle 1 :: pos(duty)= 0.88046728 fitness(Output Power)= 180.22040503
```

```
Particle 2 :: pos(duty)= 0.88046739 fitness(Output Power)= 180.22040503
```

```
Particle 3 :: pos(duty)= 0.88046550 fitness(Output Power)= 180.22040503
```

```
Updated best Fitness Position = 0.88046728
```

```
-----
```

```
Iteration No: 39
```

```
c1 = 0.39093780 c2 = 0.83137974
```

```
velocity =
```

```
1.0e-05 *
```

```
0.0001
```

```
-0.0100
```

```
0.1855
```

```
Particle 1 :: pos(duty)= 0.88046728 fitness(Output Power)= 180.22040503
Particle 2 :: pos(duty)= 0.88046729 fitness(Output Power)= 180.22040503
Particle 3 :: pos(duty)= 0.88046735 fitness(Output Power)= 180.22040503
```

Updated best Fitness Position = 0.88046728

Iteration No: 40

c1 = 0.80336439 c2 = 0.06047118

velocity =

1.0e-06 *

0.0004

-0.0500

0.9236

```
Particle 1 :: pos(duty)= 0.88046729 fitness(Output Power)= 180.22040503
Particle 2 :: pos(duty)= 0.88046724 fitness(Output Power)= 180.22040503
Particle 3 :: pos(duty)= 0.88046827 fitness(Output Power)= 180.22040503
```

Updated best Fitness Position = 0.88046729

Iteration No: 41

c1 = 0.39925777 c2 = 0.52687583

velocity =

1.0e-07 *

0.0022

0.0116

-0.5966

```
Particle 1 :: pos(duty)= 0.88046729 fitness(Output Power)= 180.22040503
Particle 2 :: pos(duty)= 0.88046724 fitness(Output Power)= 180.22040503
Particle 3 :: pos(duty)= 0.88046822 fitness(Output Power)= 180.22040503
```

Updated best Fitness Position = 0.88046729

Iteration No: 42

c1 = 0.41679947 c2 = 0.65685989

velocity =

1.0e-06 *

0.0001

0.0326

-0.6406

```
Particle 1 :: pos(duty)= 0.88046729 fitness(Output Power)= 180.22040503
Particle 2 :: pos(duty)= 0.88046727 fitness(Output Power)= 180.22040503
Particle 3 :: pos(duty)= 0.88046757 fitness(Output Power)= 180.22040503
```

Updated best Fitness Position = 0.88046729

Iteration No: 43

c1 = 0.62797336 c2 = 0.29198408

velocity =

1.0e-06 *

0.0001

0.0210

-0.4047

```
Particle 1 :: pos(duty)= 0.88046729 fitness(Output Power)= 180.22040503
Particle 2 :: pos(duty)= 0.88046729 fitness(Output Power)= 180.22040503
Particle 3 :: pos(duty)= 0.88046717 fitness(Output Power)= 180.22040503
```

Updated best Fitness Position = 0.88046729

Iteration No: 44

c1 = 0.43165117 c2 = 0.01548713

velocity =

1.0e-06 *

0.0000

0.0105

-0.2006

```
Particle 1 :: pos(duty)= 0.88046729 fitness(Output Power)= 180.22040503
Particle 2 :: pos(duty)= 0.88046730 fitness(Output Power)= 180.22040503
Particle 3 :: pos(duty)= 0.88046697 fitness(Output Power)= 180.22040503
```

Updated best Fitness Position = 0.88046729

Iteration No: 45

c1 = 0.98406372 c2 = 0.16716841

velocity =

1.0e-07 *

```
0.0001
0.0269
-0.4741
```

```
Particle 1 :: pos(duty)= 0.88046729 fitness(Output Power)= 180.22040503
Particle 2 :: pos(duty)= 0.88046730 fitness(Output Power)= 180.22040503
Particle 3 :: pos(duty)= 0.88046692 fitness(Output Power)= 180.22040503
```

```
Updated best Fitness Position = 0.88046729
```

```
-----
```

```
Iteration No: 46
```

```
c1 = 0.10621634 c2 = 0.37240974
```

```
velocity =
```

```
1.0e-06 *
```

```
0.0000
-0.0053
0.1117
```

```
Particle 1 :: pos(duty)= 0.88046729 fitness(Output Power)= 180.22040503
Particle 2 :: pos(duty)= 0.88046730 fitness(Output Power)= 180.22040503
Particle 3 :: pos(duty)= 0.88046703 fitness(Output Power)= 180.22040503
```

```
Updated best Fitness Position = 0.88046729
```

```
-----
```

```
Iteration No: 47
```

```
c1 = 0.19811840 c2 = 0.48968764
```

```
velocity =
```

```
1.0e-06 *
```

```
0.0000
-0.0088
0.1792
```

```
Particle 1 :: pos(duty)= 0.88046729 fitness(Output Power)= 180.22040503
Particle 2 :: pos(duty)= 0.88046729 fitness(Output Power)= 180.22040503
Particle 3 :: pos(duty)= 0.88046721 fitness(Output Power)= 180.22040503
```

```
Updated best Fitness Position = 0.88046729
```

```
-----
```

```
Iteration No: 48
```

```
c1 = 0.33949341 c2 = 0.95163046
```

```
velocity =
```



```
1.0e-06 *  
  
0.0000  
-0.0080  
0.1588  
  
Particle 1 :: pos(duty)= 0.88046729 fitness(Output Power)= 180.22040503  
Particle 2 :: pos(duty)= 0.88046728 fitness(Output Power)= 180.22040503  
Particle 3 :: pos(duty)= 0.88046737 fitness(Output Power)= 180.22040503
```

```
Updated best Fitness Position = 0.88046729
```

```
-----  
Iteration No: 49  
c1 = 0.92033204 c2 = 0.05267700  
velocity =  
  
1.0e-07 *  
  
0.0000  
-0.0376  
0.7487  
  
Particle 1 :: pos(duty)= 0.88046729 fitness(Output Power)= 180.22040503  
Particle 2 :: pos(duty)= 0.88046728 fitness(Output Power)= 180.22040503  
Particle 3 :: pos(duty)= 0.88046745 fitness(Output Power)= 180.22040503
```

```
Updated best Fitness Position = 0.88046729
```

```
-----  
Iteration No: 50  
c1 = 0.73785810 c2 = 0.26911943  
velocity =  
  
1.0e-08 *  
  
0.0000  
0.0267  
-0.5885  
  
Particle 1 :: pos(duty)= 0.88046729 fitness(Output Power)= 180.22040503  
Particle 2 :: pos(duty)= 0.88046728 fitness(Output Power)= 180.22040503  
Particle 3 :: pos(duty)= 0.88046744 fitness(Output Power)= 180.22040503
```

```
Updated best Fitness Position = 0.88046729
```

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