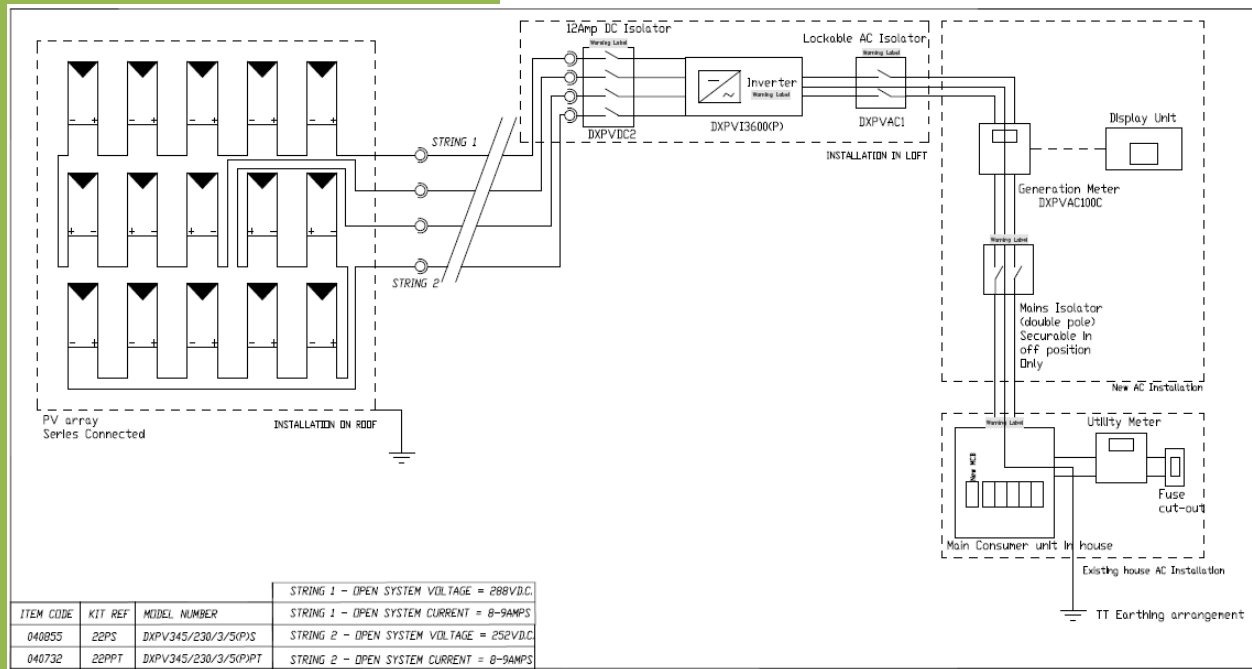


# DXPV345/230/3/5(P)PT PV Solar Pack

**Dimplexrenewables®**

## 3.45kWp Photovoltaic Kit for domestic and light commercial electricity



| Part Number | Model Number     | Description                                                                         | Quantity |
|-------------|------------------|-------------------------------------------------------------------------------------|----------|
| 038715      | DXPVM230P6-30    | 230W Poly Solar PV Panel                                                            | 15       |
| 038746      | DXPVAC100C       | Total generation meter                                                              | 1        |
| 038777      | DXPVAC1          | 32A 690V AC surface mounted isolator (lockable)                                     | 1        |
| 041265      | DXPVDC2          | 12A 340V 4 pole DC surface mounted isolator (lockable)                              | 1        |
| 039767      | DXPVRKHEXM820-10 | Bag 10 x Cylinder Head Screw with Hexagon Socket DIN 912 A2 M8x20                   | 1        |
| 040299      | DXPVRKHEXM820-25 | Bag 25 x Cylinder Head Screw with Hexagon Socket DIN 912 A2 M8x20                   | 2        |
| 039774      | DXPVRKHEXM850-10 | Bag 10 x Cylinder Head Screw with Hexagon Socket DIN 912 A2 M8x50                   | 2        |
| 040305      | DXPVRKHEXMB50-25 | Bag 25 x Cylinder Head Screw with Hexagon Socket DIN 912 A2 M8x50                   | 1        |
| 041371      | DXPVRKHEXM825-10 | Bag 10 x Cylinder Head Screw with Hexagon Socket DIN 912 A2 M8x25                   | 1        |
| 041388      | DXPVRKHEXM825-25 | Bag 25 x Cylinder Head Screw with Hexagon Socket DIN 912 A2 M8x25                   | 2        |
| 041395      | DXPVRKM8N1-10    | Bag of 10 x Serated nut A2 DIN 6923                                                 | 1        |
| 041401      | DXPVRKM8N1-25    | Bag of 25 x Serated nut A2 DIN 6923                                                 | 2        |
| 039781      | DXPVRKSBM81-10   | Bag of 10 x Sliding Block 13x10mm, Pivotable, Aluminium, M8, 1=22mm                 | 2        |
| 040312      | DXPVRKSBM81-25   | Bag of 25 x Sliding Block 13x10mm, Pivotable, Aluminium, M8, 1=22mm                 | 1        |
| 039736      | DXPVRKCT1        | Bag of 25 x Cable Ties-UV-Resistant                                                 | 4        |
| 039675      | DXPVRKEC1        | Bag of 4 x End Cap PP, 40x40mm                                                      | 4        |
| 039699      | DXPVRKMC1        | Bag of 4 x MG-MK 01, Middle Clamp, blank                                            | 7        |
| 039750      | DXPVRKXC1        | Bag of 4 x Cross connector (74011001)                                               | 15       |
| 039682      | DXPVRKCC1        | Bag of 4 x Corner Clamp, blank 50mm                                                 | 4        |
| 039644      | DXPVRKMR5        | Mounting Rail medium 40x40 , L = 5.2M                                               | 6        |
| 039903      | DXPVRKPT1        | Plain tile roof hook, stainless steel                                               | 54       |
| 041289      | DXPVRKSB100-10   | Bag of 10 x Seating Bolt 8x100mm galvanised                                         | 4        |
| 039811      | DXPVRKSB100-25   | Bag of 25 x Seating Bolt 8x100mm galvanised                                         | 3        |
| 039019      | DXPVI3600(P)     | PVI-3.6-OUTD inverter                                                               | 1        |
| 038784      | DXPVC10/1        | 10 meter extension cable Male/Female MC3; 4mm2 (+) MC3 -- 10 meters 4mm2-- MC4 (-)  | 2        |
| 040220      | DXPVC10/2        | 10 meter extension cable Male/Female MC3; 4mm2 (-) MC3 -- 10 meters 4mm2 -- MC4 (+) | 2        |
| 040366      | DXPVP052         | Installation manual                                                                 | 1        |
| 040183      | DXPVWLPK1        | PV Array 19 label Pack                                                              | 1        |

# Polycrystalline PV Solar Packs

## Specifications

|                      |                                 |
|----------------------|---------------------------------|
| <b>Inverter</b>      | 1 x PVI-3.6-OUTD                |
| <b>Roof Mount</b>    | Plain tile roof kit             |
| <b>Meter</b>         | 1 x Elster A100                 |
| <b>Cabling</b>       | 2 x 10m Solar connecting cable  |
| <b>Isolators</b>     | 1 x DC isolator 1 x AC isolator |
| <b>Documentation</b> | 1 x Installation Manual         |

### Product Performance

|                                    |
|------------------------------------|
| 5 years: 95% of rated peak output  |
| 10 years: 90% of rated peak output |
| 15 years: 85% of rated peak output |
| 25 years: 80% of rated peak output |

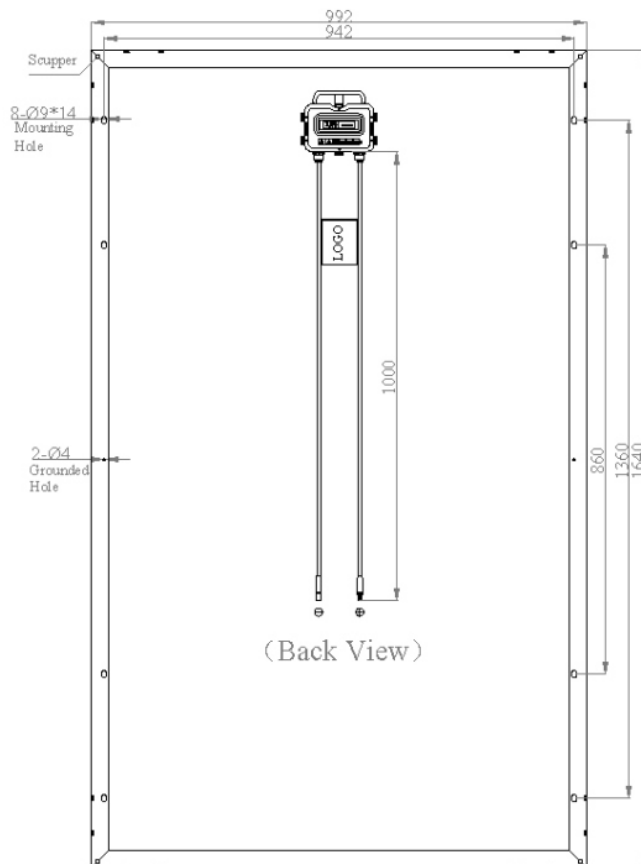
### Requirements

Dimplex renewables PV Packs must be installed by Accredited PV Pack Installers

All Accredited PV Pack Installers are MCS-accredited for PV

### Certification

|               |
|---------------|
| IEC61215      |
| IEC61730      |
| CE conformity |
| MCS           |



## Electrical Performance

| Electrical Performance of PV Module              | DXPVM230P6-30         |
|--------------------------------------------------|-----------------------|
| Open Circuit Voltage                             | 36.65V                |
| Short Circuit Current                            | 8.59A                 |
| Peak Power in STC                                | 230W                  |
| Point Voltage in Peak Power                      | 29.00V                |
| Point Current in Peak Power                      | 7.99A                 |
| Efficiency of Module                             | 14.2%                 |
| Cell Type                                        | Polycrystalline       |
| Cell Quantity                                    | 60 (6 x 10)           |
| Module Size                                      | 1640mm x 992mm x 50mm |
| Weight                                           | 20.5Kg                |
| Operation temperature                            | -40°C ~ 85°C          |
| Temperature coefficient in Short Circuit Current | (0.055 ± 0.01)%/K     |
| Temperature coefficient in Open Circuit Voltage  | -(113 ± 10)mV%/K      |
| Temperature coefficient in Peak Power            | (0.47 ± 0.05)%/K      |
| Output Power Tolerance                           | -0% + 3%              |
| Max System voltage                               | 1000V DC              |



MCS PV0017