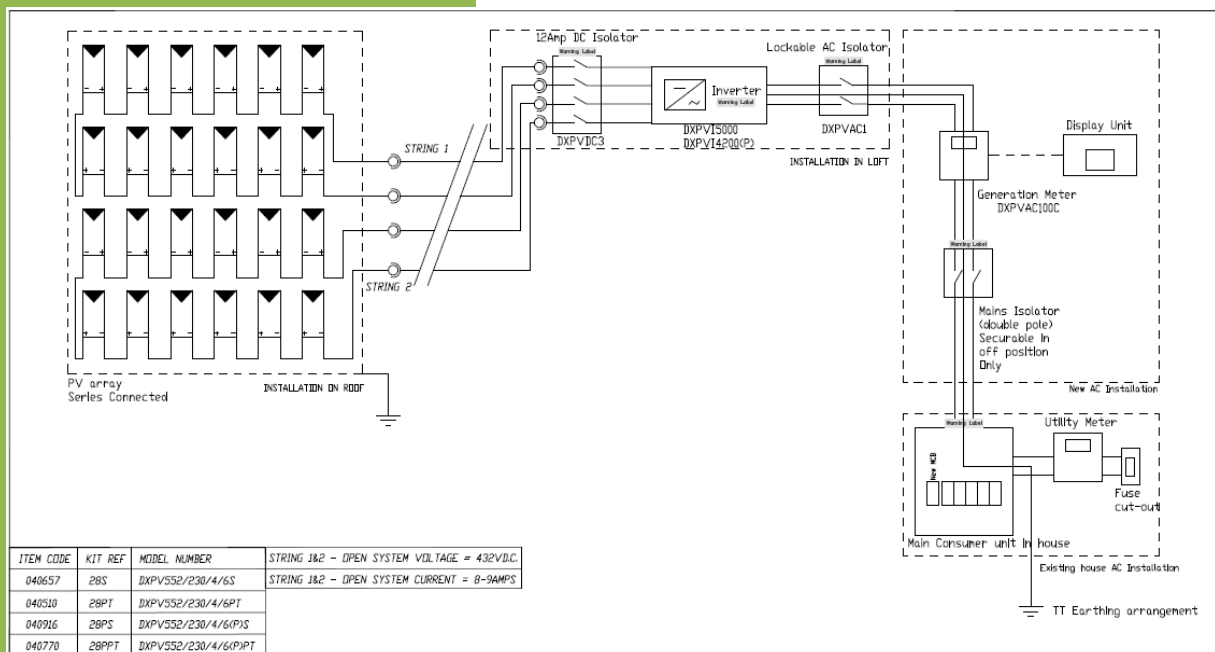


DXPV552/230/4/6PT PV Solar Pack

Dimplexrenewables®

5.52kWp Photovoltaic Kit for domestic and light commercial electricity



Part Number	Model Number	Description	Quantity
038715	DXPVM230P6-30	230W Poly Solar PV Panel	24
038746	DXPVAC100C	Total generation meter	1
038777	DXPVAC1	32A 690V AC surface mounted isolator (lockable)	1
041272	DXPVC3	12A 500V 4 pole DC surface mounted isolator (lockable)	1
040299	DXPVRKHEXM820-25	Bag of 25 x Cylinder Head Screw with Hexagon Socket DIN 912 A2 M8x20	4
039774	DXPVRKHEXM850-10	Bag of 10 x Cylinder Head Screw with Hexagon Socket DIN 912 A2 M8x50	1
040305	DXPVRKHEXMB50-25	Bag of 25 x Cylinder Head Screw with Hexagon Socket DIN 912 A2 M8x50	2
041371	DXPVRKHEXM825-10	Bag of 10 x Cylinder Head Screw with Hexagon Socket DIN 912 A2 M8x25	1
041388	DXPVRKHEXM825-25	Bag of 25 x Cylinder Head Screw with Hexagon Socket DIN 912 A2 M8x25	3
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	3
039781	DXPVRKSBM81-10	Bag of 10 x Sliding Block 13x10mm, Pivotable, Aluminium, M8, 1=22mm	1
040312	DXPVRKSBM81-25	Bag of 25 x Sliding Block 13x10mm, Pivotable, Aluminium, M8, 1=22mm	2
039736	DXPVRKCT1	Bag of 25 x Cable Ties-UV-Resistant	6
039675	DXPVRKEC1	Bag of 4 x End Cap PP, 40x40mm	5
039699	DXPVRKMC1	Bag of 4 x MG-MK 01, Middle Clamp, blank	11
039750	DXPVRKXC1	Bag of 4 x Cross connector (74011001)	21
039682	DXPVRKCC1	Bag of 4 x Corner Clamp, blank 50mm	5
039668	DXPVRKMR3	Mounting Rail medium 40x40, L = 3.2M	16
039903	DXPVRKPT1	Plain tile roof hook, stainless steel	80
041289	DXPVRKSB100-10	Bag of 10 x Seating Bolt 8x100mm galvanised	4
039811	DXPVRKSB100-25	Bag of 25 x Seating Bolt 8x100mm galvanised	5
039743	DXPVRKRC1	Rail Connector Fixed	8
038678	DXPVI5000	Sunny Boy SB-5000 TL-20 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

Inverter	1 x Sunny Boy SB-5000 TL-20
Roof Mount	Plain tile roof kit
Meter	1 x Elster A100
Cabling	10m Positive and 10m Negative Solar Cable
Isolators	1 x DC isolator 1 x AC isolator
Documentation	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

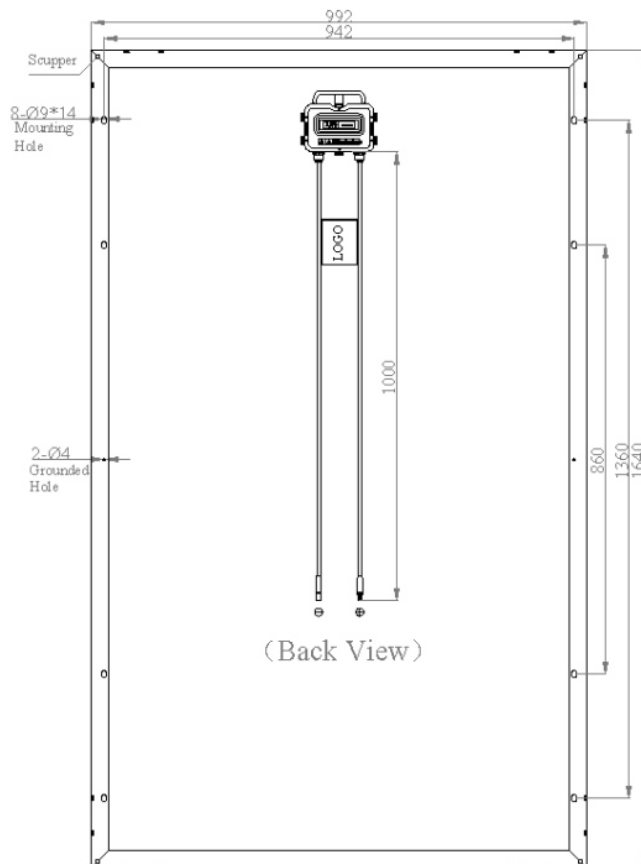
Requirements

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