



Tutela Patrimonio Aziendale (T.P.A.)

Grazie a partnership con il distributore siamo in grado di fornirvi per impianti dai 500 KW i pannelli solari UNITEC Europa S.a

I pannelli in questione consistono di componenti di alta qualità testati in laboratorio in modo da assicurare che siano in grado di dare una garanzia prodotto di 25 anni

Anche in caso di luce fiavole il modulo fotovoltaico alla base di pannelli UNITEC può assicurare una buona resa attraverso l'uso di celle solari poli-cristalline ad alta efficienza nel caso del DKP 1335 x990 ,DKP1470*680 ed DKP1650*990 o mono-cristallino come nel caso DKP1580* 807

Il vetro temperato utilizzato permette un'alta trasmissione che ottimizza la produzione di energia del modulo fotovoltaico. L'encapsulante usato è un acetato viniletilene che assicura resistenza in condizioni di tempo instabile.

Il modulo ha un telaio in alluminio anodizzato ad alta resistenza che lo protegge dalla corrosione quindi assicurando che le qualità estetiche del modulo siano mantenute durante la sua vita.

Inoltre il modulo utilizza una scatola di giunzione certificata TUV con 3 diodi bypass che riducono la possibilità di sovrariscaldamento causando un parziale danneggiamento

Tutti i modelli sono fabbricati secondo le IEC61215 e IEC61730

DKP1335*990

Electrical Parameters

Model	DKP 160	DKP 165	DKP 170	DKP 175	DKP 180
Cell	polycristallin	polycristallin	polycristallin	polycristallin	polycristallin
N° of cells and connections	48 in series	48 in series	48 in series	48 in series	48 in series
Maximum Power (Pm)	160±3%	165±3%	170±3%	175±3%	180±3%
Maximum Voltage (Vm)	23,0 V	23,0 V	23,0 V	23,5 V	23,0 V
Maximum Current (Im)	7,00 A	7,20 A	7,40 A	7,60 A	7,82 A
Open Circuit Voltage (Voc)	29,0 V	29,0 V	29,5 V	29,5 V	29,0 V
Short Circuit Current (Isc)	7,70 A	7,90 A	8,10A	8,20A	8,36 A
Module Efficiency	12,1%	12,5%	12,9%	13,2%	13,6%
Cell Efficiency	14,1%	14,6%	15,0%	15,4%	15,9%

Model	DKP 185	DKP 190	DKP 195
Cell	polycristallin	polycristallin	polycristallin
N° of cells and connections	48 in series	48 in series	48 in series
Maximum Power (Pm)	185±3%	190±3%	195±3%
Maximum Voltage (Vm)	24,0 V	24,0V	24,0V
Maximum Current (Im)	7,70 A	7,90 A	8,10A
Open Circuit Voltage (Voc)	30,0 V	30,5 V	30,5V
Short Circuit Current (Isc)	8,32 A	8,52 A	8,72A
Module Efficiency	14,0%	14,4%	14,8%
Cell Efficiency	16,3%	16,7%	17,1%

Mechanical Characteristics

Dimensions	mm	1335*990*35
Weight	Kg	15,7
Area	m ²	1,35

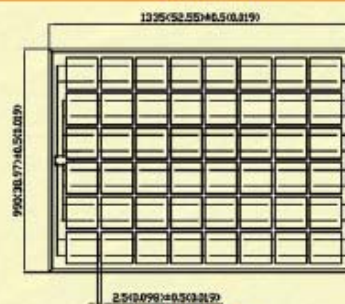
Temperature Coefficients

Power	Tk(Wp)	-0,43%/°C
Open Circuit Voltage	Tk(Voc)	-0,33%/°C
Short Circuit Current	Tk(Isc)	+0,04%/°C

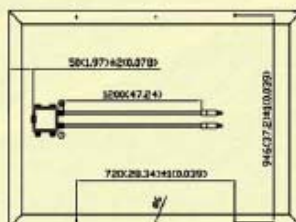
Absolute Maximum Limits

Maximum System Voltage	V	1000
Module Operating Temp.	°C	-45 - +85
Wind Velocity	km/h	130
NOCT	°C	47±2

Dimensions



Front view



Back view

DKP 1470 *680

Electrical Parameters

Modelle	DKP 100	DKP 110	DKP 120	DKP 130	DKP 140
Cell	polycristallin	polycristallin	polycristallin	polycristallin	polycristallin
N° of cells and connections	36 in serie	36 in serie	36 in serie	36 in serie	36 in serie
Maximum Power (Pm)	100±3%	110±3%	120±3%	130±3%	140±3%
Maximum Voltage (Vm)	16,5 V	17,5 V	17,5 V	18,0 V	18,5 V
Maximum Current (Im)	6,10 A	6,30 A	6,90 A	7,22 A	7,56 A
Open Circuit Voltage (Voc)	21,5 V	21,5 V	22,0 V	22,0 V	22,5 V
Short Circuit Current (Isc)	6,80 A	7,00 A	7,60 A	7,80 A	7,90 A
Module Efficiency	11,0%	11,5%	12,0%	13,0%	14,0%
Cell Efficiency	13,2%	13,7%	14,1%	15,3%	16,0%

Mechanical Characteristics

Dimensions	mm	1470*680*35
Weight	Kg	12
Area	m ²	0.99

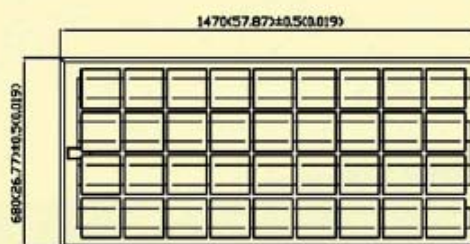
Temperature Coefficients

Power	Tk(Wp)	-0,45%/°C
Open Circuit Voltage	Tk(Voc)	-0,37%/°C
Short Circuit Current	Tk(Isc)	+0,06%/°C

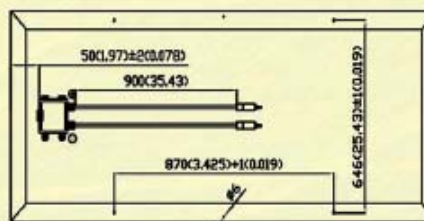
Absolute Maximum Limits

Maximum System Voltage	V	1000
Module Operating Temp.	°C	-45 - +85
Wind Velocity	km/h	130
NOCT	°C	47±2

Dimensions



Front view



Back view

DKP 1650*990

Electrical Parameters

Model	DKP 200	DKP 205	DKP 210	DKP 215	DKP 220
Cell	Polycrystalline	Polycrystalline	Polycrystalline	Polycrystalline	Polycrystalline
N° of cells and connections	60 in series	60 in series	60 in series	60 in series	60 in series
Maximum Power (Pm)	200±3%	205±3%	210±3%	215±3%	220±3%
Maximum Voltage (Vm)	29,5 V	29,5 V	29,5 V	29,5 V	30,0 V
Maximum Current (Im)	6,80 A	6,95 A	7,15 A	7,30 A	7,35 A
Open Circuit Voltage (Voc)	36,0 V	36,0 V	36,0 V	36,0 V	36,6 V
Short Circuit Current (Isc)	7,60 A	7,75 A	7,95 A	8,10 A	8,15 A
Module Efficiency	12,4%	12,7%	13,0%	13,3%	13,6%
Cell Efficiency	13,7%	14,0%	14,4%	14,7%	15,1%

Model	DKP 225	DKP 230	DKP 235	DKP 240
Cell	Polycrystalline	Polycrystalline	Polycrystalline	Polycrystalline
N° of cells and connections	60 in series	60 in series	60 in series	60 in series
Maximum Power (Pm)	225±3%	230±3%	235±3%	235±3%
Maximum Voltage (Vm)	30,0 V	30,0 V	30,0 V	30,5 V
Maximum Current (Im)	7,50 A	7,70 A	7,85 A	7,90 A
Open Circuit Voltage (Voc)	36,6 V	36,6 V	36,6 V	37,2 V
Short Circuit Current (Isc)	8,30 A	8,55 A	8,70 A	8,75 A
Module Efficiency	13,9%	14,2%	14,5%	14,8%
Cell Efficiency	15,4%	15,8%	16,1%	16,4%

Mechanical Characteristics

Dimensions (mm)	mm	1650*990*35
Weight	Kg	18
Area	m ²	162

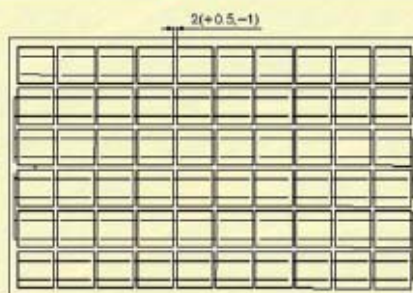
Temperature Coefficients

Power	Tk(Wp)	-0,43%/°C
Open Circuit Voltage	Tk(Voc)	-0,33%/°C
Short Circuit Current	Tk(Isc)	+0,04%/°C

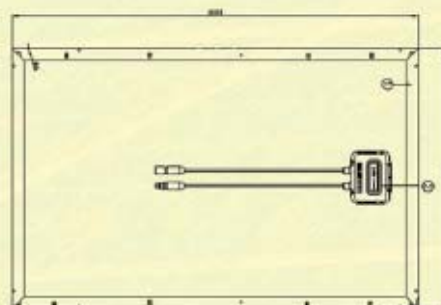
Absolute Maximum Limits

Maximum System Voltage	V	1000
Module Operating Temp.	°C	-45 - +85
Wind Velocity	km/h	130
NOCT	°C	47±2

Dimensions



Front view



Back view

DKP 1580*807

Electrical Parameters

Model	DKJM 160	DKJM 165	DKJM 170	DKJM 175	DKJM 180
Cell	monocrystalline	monocrystalline	monocrystalline	monocrystalline	monocrystalline
N° of cells and connections	72 in series	72 in series	72 in series	72 in series	72 in series
Maximum Power (Pm)	160±3%	165±3%	170±3%	175±3%	180±3%
Maximum Voltage (Vm)	35,6 V	35,8 V	35,9 V	36,0 V	36,0 V
Maximum Current (Im)	4,50 A	4,61 A	4,74 A	4,86 A	5,00 A
Open Circuit Voltage (Voc)	43,8 V	44,0 V	44,4 V	44,8 V	45,0 V
Short Circuit Current (Isc)	5,00 A	5,10 A	5,12 A	5,17 A	5,20 A
Module Efficiency	12,5%	12,9%	13,3%	13,7%	14,1%
Cell Efficiency	14,8%	15,3%	15,8%	16,2%	16,7%

Model	DKJM 185	DKJM 190	DKJM 195
Cell	monocrystalline	monocrystalline	monocrystalline
N° of cells and connections	72 in series	72 in series	72 in series
Maximum Power (Pm)	185±3%	190±3%	195±3%
Maximum Voltage (Vm)	36,1 V	36,1 V	36,2 V
Maximum Current (Im)	5,12A	5,26 A	5,39 A
Open Circuit Voltage (Voc)	45,2 V	45,4 V	45,6 V
Short Circuit Current (Isc)	5,32 A	5,44 A	5,56 A
Module Efficiency	14,4%	14,8%	15,2%
Cell Efficiency	17,1%	17,5%	18,0%

Mechanical Characteristics

Dimensions (mm)	mm	1580*807*35
Weight	Kg	15
Area	m ²	1.26

Temperature Coefficients

Power	Tk(Wp)	-0,46%/°C
Open Circuit Voltage	Tk(Voc)	-0,35%/°C
Short Circuit Current	Tk(Isc)	+0,03%/°C

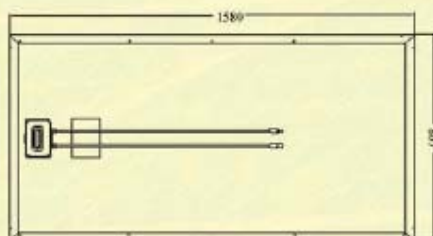
Absolute Maximum Limits

Maximum System Voltage	V	1000
Module Operating Temp.	°C	-45 - +85
Wind Velocity	km/h	130
NOCT	°C	47±2

Dimensions



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