

ELECTRICAL SPECIFICATIONS	PES-RGD-10P	PES-RGD-20P	PES-RGD-30P	PES-RGD-40P	PES-RGD-50P	PES-RGD-60P	PES-RGD-80P	PES-RGD-100P	PES-RGD-120	PES-RGD-150P	PES-RGD-160P
Type	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid
Max Power: Pmax, W	10	20	30	40	50	60	80	100	120	150	160
Voltage at Max. Power Point: Vmpp	18	18	18	18	18	18	18	18	18	18	18
Current at Max. Power Point: Impp, A	0.56	1.12	1.67	2.23	2.8	3.34	4.45	5.6	6.67	8	8.4
Open circuit voltage: Voc	22	22	22	22	22	22	22	22	22	22	22
Short circuit current: Isc, A	0.6	1.3	1.8	2.35	3	3.5	4.5	6	6.8	8.6	9
Number of Cells in Series	36	36	36	36	36	36	36	36	36	36	36
Cell Type	POLY	POLY	POLY	POLY	POLY	POLY	POLY	POLY	POLY	POLY	POLY
Nominal Voltage: V DC	12	12	12	12	12	12	12	12	12	12	12
Conversion Efficiency	15-18%	15-18%	15-18%	15-18%	15-18%	15-18%	15-18%	16-18%	16-18%	16-18%	16-18%
Operating Temperature	-40 °C to 85 °C	-40 °C to 85 °C	-40 °C to 85 °C	-40 °C to 85 °C	-40 °C to 85 °C	-40 °C to 85 °C	-40 °C to 85 °C	-40 °C to 85 °C	-40 °C to 85 °C	-40 °C to 85 °C	-40 °C to 85 °C
Temperature Co-efficient of Pmax	- 0.43%/K	- 0.43%/K	- 0.43%/K	- 0.43%/K	- 0.43%/K	- 0.43%/K	- 0.43%/K	- 0.43%/K	- 0.43%/K	- 0.43%/K	- 0.43%/K
Power Tolerance	+ 1 to 2%	+ 1 to 2%	+ 1 to 2%	+ 1 to 2%	+ 1 to 2%	+ 1 to 2%	+ 1 to 2%	+ 1 to 2%	+ 1 to 2%	+ 1 to 2%	+ 1 to 2%
Temperature Co-efficient of Vm	-0.36%/K	-0.36%/K	-0.36%/K	-0.36%/K	-0.36%/K	-0.36%/K	-0.36%/K	-0.36%/K	-0.36%/K	-0.36%/K	-0.36%/K
Temperature Co-efficient of Im	+0.06%/K	+0.06%/K	+0.06%/K	+0.06%/K	+0.06%/K	+0.06%/K	+0.06%/K	+0.06%/K	+0.06%/K	+0.06%/K	+0.06%/K
Maximum System Voltage(Vdc)	600VDC	600VDC	600VDC	600VDC	600VDC	600VDC	600VDC	600VDC	1000VDC	1000VDC	1000VDC
Module Size: mm (L x W x T)	445 x 195 x 25	470 x 345 x 25	650 x 345 x 25	665 x 420 x 35	665 x 530 x 35	665 x 595 x 35	775 x 665 x 35	1005 x 665 x 35	1125 x 665 x 35	1480 x 665 x 35	1480 x 665 x 35
Module Size: inches (L x W x T)	17.52 x 7.67 x 1	18.50 x 13.58 x 1	25.59 x 13.58 x 1	26.18 x 16.53 x 1.37	26.18 x 20.86 x 1.37	26.18 x 23.42 x 1.37	30.51 x 26.18 x 1.37	39.56 x 26.18 x 1.37	44.29 x 26.18 x 1.37	58.26 x 26.18 x 1.37	58.26 x 26.18 x 1.37
Module Weight (BARE)- KG	1.15	1.9	3.3	3.4	4.75	5	6.15	7.5	8	11	11
Module Weight (BARE)- LBS	2.5	4.2	7.3	7.5	10.5	11.0	13.6	16.5	17.6	24.3	24.3
Mounting hole pitch on length-Y mm	225	235	390	450	450	450	450	640	600	900	900

