



1 JA Solar JAP6(K)-60-270 | 2 JA Solar JAM6(K)(BK)-60-280 - (FB)

YOUR BENEFITS

- Very innovative cell manufacturer
- High module efficiency level – higher than the industry average
- LIMIT test: tested reliability
- Smart modules with SolarEdge optimisers

Module type	JAP6(K)(SE)-60-270/4BB	JAP6(K)-60-270/4BB	JAM6(K)-60-280/4BB	JAM6(K)(BK)-60-280/4BB - (FB)	JAM6(K) (BK)-60-290/PR - (FB)	JAM6(K)-60-300/PR
Item number	207106	207105	207104	207107	207108	207109
Electrical data under STC¹						
Nominal power P_{MPP} [W _p]	270	270	280	280	290	300
Power tolerance from P_{MPP} [%] ²	-0 / +2	-0 / +2	-0 / +2	-0 / +2	-0 / +2	-0 / +2
MPP voltage / current [V] / [A]	31.13 / 8.67	31.13 / 8.67	30.97 / 9.04	30.97 / 9.04	31.80 / 9.12	32.26 / 9.30
Open circuit voltage U_{OC} [V]	38.17	38.17	38.65	38.65	39.46	39.85
Short circuit current I_{SC} [A]	9.18	9.18	9.49	9.49	9.57	9.75
Temp. coefficient $P_{MPP} / U_{OC} / I_{SC}$ [%/K]	-0.41 / -0.33 / 0.058	-0.41 / -0.33 / 0.058	-0.41 / -0.33 / 0.059	-0.41 / -0.33 / 0.059	-0.39 / -0.30 / 0.060	-0.39 / -0.30 / 0.060
Module efficiency [%]	16.5	16.5	17.1	17.1	17.7	18.3
Max. system voltage [V]	1000	1000	1000	1000	1000	1000
Reverse current I_R [A]	15	15	15	15	15	15
¹ STC = Standard Test Conditions (air mass AM 1.5; insolation 1000 W/m ² ; cell temperature 25 °C) ² Measuring tolerance P_{MPP} +/- 3%						

Dimensions and specifications

Length / width / height [mm]	1650 / 991 / 35	1650 / 991 / 35	1650 / 991 / 35	1650 / 991 / 35	1650 / 991 / 35	1650 / 991 / 35
Load front / rear [Pa]	5400 / 2400	5400 / 2400	5400 / 2400	5400 / 2400	5400 / 2400	5400 / 2400
Weight approx. [kg]	19.0	18.0	18.0	18.0	18.0	18.0
Mounting holes [mm]	9	9	9	9	9	9
Cell type / number of cells	poly / 60	poly / 60	mono / 60	mono / 60	mono / 60	mono / 60
Colour of frame / foil	bright anodised / white	bright anodised / white	bright anodised / white	black / black	black / black	bright anodised / white
Connection	MC4 pluggable	MC4 pluggable	MC4 pluggable	MC4 pluggable	MC4 pluggable	MC4 pluggable
Special features	optimised with SolarEdge	4 busbars	4 busbars	4 busbars, full black	Percium full black	Percium

Connection accessories

MC4 plug PV-KST4 / 6II-UR - (5.5 - 9 mm) (item no. 52905)

MC4 socket PV-KBT4 / 6II-UR - (5.5 - 9 mm) (item no. 52904)