

Datasheet

	SX 236	SX 176 L	SX 176 Q	SX 176 G	SX 158	SX 118	SX 118 G	SX 78 L	SX 78 Q	SX 68
Maximum power (0%, +5%) [W]	236	176	176	176	158	118	118	78	78	68
Length Y [mm]	1364	1523	1046	1075	1364	1046	754	1364	728	1205
Width X [mm]	994	683	994	994	683	683	1016	365	683	365
Thickness [mm]	2	2	2	2	2	2	2	2	2	2
Weight [kg]	3.00	2.40	2.40	2.40	2.10	1.70	1.80	1.20	1.20	1.10
Max power Voltage Vmp [V]	25.9	19.3	19.3	19.3	17.4	13.0	13.0	8.6	8.6	7.5
Max power Current Imp [A]	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
Open circuit voltage Voc [V]	32.0	24.0	24.0	24.0	21.3	16.0	16.0	10.7	10.7	9.3
Short circuit current Isc [A]	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
NOCT [°C]	45 ± 2	45 ± 2	45 ± 2	45 ± 2	45 ± 2	45 ± 2	45 ± 2	45 ± 2	45 ± 2	45 ± 2
Operating temperature [°C]	-40/+85	-40/+85	-40/+85	-40/+85	-40/+85	-40/+85	-40/+85	-40/+85	-40/+85	-40/+85
Temp. coeff. Pmax [%/°C]	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40
Temp. coeff. Voc [%/°C]	-0.32	-0.32	-0.32	-0.32	-0.32	-0.32	-0.32	-0.32	-0.32	-0.32
Temp. coeff. Isc [%/°C]	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Columns x Rows (cells n°)	6x8 (48)	4x9 (36)	6x6 (36)	6x6 (36)	4x8 (32)	4x6 (24)	6x4 (24)	2x8 (16)	4x4 (16)	2x7 (14)
Maximum system voltage [V]	1000 V	1000 V	1000 V	1000 V	1000 V	1000 V	1000 V	1000 V	1000 V	1000 V
Maximum reverse current [A]	12 A	12 A	12 A	12 A	12 A	12 A	12 A	12 A	12 A	12 A
Safety class	A	A	A	A	A	A	A	A	A	A

* Values at STC = Standard Test Conditions: (a) light Spectrum for an Air Mass of 1.5; (b) irradiance of 1000 W/m² with perpendicular incidence and (c) cell temperature of 25 °C. Measurements carried out according to the Standard IEC 61215 requirements.