TYPE (Tolerance: 0 - +5W)	JT385SSh	JT390SSh	JT395SSh	JT400SSh	JT425SSh	JT430SSh	JT435SSh	JT440SSh	JT330PAg	JT335PAg	JT340PAg	JT345PAg	JT380SGh	JT385SGh	JT390SGh	JT395SGh	JT400SGh	JT420SGh	JT425SGh	JT430SGh	JT435SGh	JT440SGh
ELECTRICAL DATA *STC																						
Maximum Power Pmax (W)	385	390	395	400	425	430	435	440	330	335	340	345	380	385	390	395	400	420	425	430	435	440
Maximum Power Voltage Vmp (V)	40.2	40.5	40.7	41.0	40.4	40.6	40.8	41.0	37.3	37.5	37.7	37.9	40.0	40.2	40.5	40.7	41.0	40.2	40.4	40.6	40.8	41.0
Maximum Power Current Imp (A)	9.58	9.64	9.7	9.8	10.52	10.60	10.67	10.74	8.89	8.97	9.06	9.13	9.51	9.58	9.64	9.71	9.76	10.45	10.52	10.60	10.67	10.74
Open Circuit Voltage Voc (V)	48.2	48.4	48.6	48.8	49.00	49.20	49.40	49.60	45.7	45.9	46.1	46.3	48.0	48.2	48.4	48.6	48.9	48.08	49.0	49.2	49.4	49.6
Short Circuit Current Isc (A)	10.09	10.16	10.23	10.31	11.09	11.16	11.23	11.30	9.35	9.42	9.50	9.57	10.02	10.09	10.16	10.23	10.29	11.02	11.09	11.16	11.23	11.30
Module Efficiency (%)	18.8%	19.0%	19.2%	19.5%	19.0%	19.3%	19.5%	19.7%	17.0%	17.3%	17.5%	17.8%	18.7	19.0	19.2	19.5	19.7	19.0	19.2	19.4	19.7	19.9
STC	STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5																					
ELECTRICAL DATA *NMOT																						
Maximum Power Pmax (W)	284.90	289.08	293.28	297.52	316.16	320.12	323.71	327.71	244.97	248.82	252.70	256.61	280.78	284.90	289.08	292.88	296.73	312.23	316.16	320.12	323.71	327.71
Maximum Power Voltage Vmp (V)	37.0	37.3	37.6	37.9	38.0	38.2	38.4	38.6	34.6	34.8	35.0	35.2	36.8	37.0	37.3	37.5	37.8	37.8	38.0	38.2	38.4	38.6
Maximum Power Current Imp (A)	7.70	7.75	7.80	7.85	8.32	8.38	8.43	8.49	7.08	7.15	7.22	7.29	7.63	7.70	7.75	7.81	7.85	8.26	8.32	8.38	8.43	8.49
Open Circuit Voltage Voc (V)	45.0	45.2	45.4	45.7	46.0	46.2	46.4	46.6	42.4	42.6	42.8	43.0	44.8	45.0	45.2	45.4	45.6	45.8	46.0	46.2	46.4	46.6
Short Circuit Current Isc (A)	8.04	8.10	8.16	8.22	8.93	8.99	9.05	9.10	7.49	7.55	7.62	7.69	7.98	8.04	8.10	8.16	8.22	8.88	8.93	8.99	9.05	9.10
NMOT	Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s																					
TEMPERATURE RATINGS																						
Temperature Coefficient of Isc (αIsc)	+0.05%/°C	+0.05%/°C	+0.05%/°C	+0.05%/°C	+0.05%/°C	+0.05%/°C	+0.05%/°C	+0.05%/°C	+0.05%/°C	+0.05%/°C	+0.05%/°C	+0.05%/°C	+0.059%/°C	+0.059%/°C	+0.059%/°C	+0.059%/°C	+0.059%/°C	+0.059%/°C	+0.059%/°C	+0.059%/°C	+0.059%/°C	+0.059%/°C
Temperature Coefficient of Voc (βVoc)	-0.30%/°C	-0.30%/°C	-0.30%/°C	-0.30%/°C	-0.30%/°C	-0.30%/°C	-0.30%/°C	-0.30%/°C	-0.31%/°C	-0.31%/°C	-0.31%/°C	-0.31%/°C	-0.30%/°C	-0.30%/°C	-0.30%/°C	-0.30%/°C	-0.30%/°C	-0.30%/°C	-0.30%/°C	-0.30%/°C	-0.30%/°C	-0.30%/°C
Temperature Coefficient of Pmax (γ Pmp)	-0.37%/°C	-0.37%/°C	-0.37%/°C	-0.37%/°C	-0.37%/°C	-0.37%/°C	-0.37%/°C	-0.37%/°C	-0.41%/°C	-0.41%/°C	-0.41%/°C	-0.41%/°C	-0.39%/°C	-0.39%/°C	-0.39%/°C	-0.39%/°C	-0.39%/°C	-0.39%/°C	-0.39%/°C	-0.39%/°C	-0.39%/°C	-0.39%/°C
Normal Module Operating Temperature (NMOT)	41°C±2°C	41°C±2°C	41°C±2°C	41°C±2°C	41°C±2°C	41°C±2°C	41°C±2°C	41°C±2°C	43°C±2°C	43°C±2°C	43°C±2°C	43°C±2°C	41°C±2°C	41°C±2°C	41°C±2°C	41°C±2°C	41°C±2°C	41°C±2°C	41°C±2°C	41°C±2°C	41°C±2°C	41°C±2°C
MAXIMUM RATINGS																						
Maximum System Voltage	1500V/DC(IEC)	1500V/DC(IEC)	1500V/DC(IEC)	1500V/DC(IEC)	1500V/DC(IEC)	1500V/DC(IEC)	1500V/DC(IEC)	1500V/DC(IEC)	1500V/DC(IEC)	1500V/DC(IEC)	1500V/DC(IEC)	1500V/DC(IEC)	1000V/DC(IEC)/1500V/DC (IEC)	1000V/DC(IEC)/1500V/DC (IEC)	1000V/DC(IEC)/1500V/DC (IEC)	1000V/DC(IEC)/1500V/DC (IEC)	1000V/DC(IEC)/1500V/DC (IEC)	1000V/DC(IEC)/1500V/DC (IEC)	1000V/DC(IEC)/1500V/DC (IEC)	1000V/DC(IEC)/1500V/DC (IEC)	1000V/DC(IEC)/1500V/DC (IEC)	1000V/DC(IEC)/1500V/DC (IEC)
Operating Temperature	-40°C-+85°C	-40°C-+85°C	-40°C-+85°C	-40°C-+85°C	-40°C-+85°C	-40°C-+85°C	-40°C-+85°C	-40°C-+85°C	-40°C-+85°C	-40°C-+85°C	-40°C-+85°C	-40°C-+85°C	-40°C-+85°C	-40°C-+85°C	-40°C-+85°C	-40°C-+85°C	-40°C-+85°C	-40°C-+85°C	-40°C-+85°C	-40°C-+85°C	-40°C-+85°C	-40°C-+85°C
Maximum Series Fuse	20A	20A	20A	20A	20A	20A	20A	20A	15A	15A	15A	15A	20A	20A	20A	20A	20A	20A	20A	20A	20A	20A
Maximum Test Load,Push/Pull	5400Pa/2400Pa	5400Pa/2400Pa	5400Pa/2400Pa	5400Pa/2400Pa	5400Pa/2400Pa	5400Pa/2400Pa	5400Pa/2400Pa	5400Pa/2400Pa	5400Pa/2400Pa	5400Pa/2400Pa	5400Pa/2400Pa	5400Pa/2400Pa	5400Pa/2400Pa	5400Pa/2400Pa	5400Pa/2400Pa	5400Pa/2400Pa	5400Pa/2400Pa	5400Pa/2400Pa	5400Pa/2400Pa	5400Pa/2400Pa	5400Pa/2400Pa	5400Pa/2400Pa
Conductivity at Ground	≤0.1Ω	≤0.1Ω	≤0.1Ω	≤0.1Ω	≤0.1Ω	≤0.1Ω	≤0.1Ω	≤0.1Ω	≤0.1Ω	≤0.1Ω	≤0.1Ω	≤0.1Ω	≤0.1Ω	≤0.1Ω	≤0.1Ω	≤0.1Ω	≤0.1Ω	≤0.1Ω	≤0.1Ω	≤0.1Ω	≤0.1Ω	≤0.1Ω
Safety Class	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II
Resistance	≥100MΩ	≥100MΩ	≥100MΩ	≥100MΩ	≥100MΩ	≥100MΩ	≥100MΩ	≥100MΩ	≥100MΩ	≥100MΩ	≥100MΩ	≥100MΩ	≥100MΩ	≥100MΩ	≥100MΩ	≥100MΩ	≥100MΩ	≥100MΩ	≥100MΩ	≥100MΩ	≥100MΩ	≥100MΩ
MECHNICAL DATA																						
Solar Cell Type	Mono 79.375×158.75 mm (3.13×6.25 inches)	Mono 79.375×158.75 mm (3.13×6.25 inches)	Mono 79.375×158.75 mm (3.13×6.25 inches)	Mono 79.375×158.75 mm (3.13×6.25 inches)	Mono 83×166 mm (6 inches)	Mono 83×166 mm (6 inches)	Mono 83×166 mm (6 inches)	Mono 83×166 mm (6 inches)	Poly 157×157 mm (6 inches)	Poly 157×157 mm (6 inches)	Poly 157×157 mm (6 inches)	Poly 157×157 mm (6 inches)	Mono 79.375×158.75 mm	Mono 79.375×158.75 mm	Mono 79.375×158.75 mm	Mono 79.375×158.75 mm	Mono 79.375×158.75 mm	Mono 83×166 mm (6 inches)	Mono 83×166 mm (6 inches)	Mono 83×166 mm (6 inches)	Mono 83×166 mm (6 inches)	Mono 83×166 mm (6 inches)
Number of Cells	144 [2 x (12 x 6)]	144 [2 x (12 x 6)]	144 [2 x (12 x 6)]	144 [2 x (12 x 6)]	144 [2 x (12 x 6)]	144 [2 x (12 x 6)]	144 [2 x (12 x 6)]	144 [2 x (12 x 6)]	72 (6×12)	72 (6×12)	72 (6×12)	72 (6×12)	144 [2 x (12 x 6)]	144 [2 x (12 x 6)]	144 [2 x (12 x 6)]	144 [2 x (12 x 6)]	144 [2 x (12 x 6)]	144 [2 x (12 x 6)]	144 [2 x (12 x 6)]	144 [2 x (12 x 6)]	144 [2 x (12 x 6)]	144 [2 x (12 x 6)]
Module Dimensions	2043×1005×25 mm (80.4×39.6×1.0 inches)	2043×1005×25 mm (80.4×39.6×1.0 inches)	2043×1005×25 mm (80.4×39.6×1.0 inches)	2043×1005×25 mm (80.4×39.6×1.0 inches)	2129×1049×25 mm (83.8×41.3×1.0 inches)	2129×1049×25 mm (83.8×41.3×1.0 inches)	2129×1049×25 mm (83.8×41.3×1.0 inches)	2129×1049×25 mm (83.8×41.3×1.0 inches)	1956×992×40 mm (77×39.1×1.6 inches)	1956×992×40 mm (77×39.1×1.6 inches)	1956×992×40 mm (77×39.1×1.6 inches)	1956×992×40 mm (77×39.1×1.6 inches)	2024×1002×35 mm (79.7×39.2×1.4 inches)	2024×1002×35 mm (79.7×39.2×1.4 inches)	2024×1002×35 mm (79.7×39.2×1.4 inches)	2024×1002×35 mm (79.7×39.2×1.4 inches)	2024×1002×35 mm (79.7×39.2×1.4 inches)	2111×1048×35 mm (83.1×41.3×1.4 inches)	2111×1048×35 mm (83.1×41.3×1.4 inches)	2111×1048×35 mm (83.1×41.3×1.4 inches)	2111×1048×35 mm (83.1×41.3×1.4 inches)	2111×1048×35 mm (83.1×41.3×1.4 inches)
Weight	25.5 kg(56.2 lb)	25.5 kg(56.2 lb)	25.5 kg(56.2 lb)	25.5 kg(56.2 lb)	27.5 kg(60.6 lb)	27.5 kg(60.6 lb)	27.5 kg(60.6 lb)	27.5 kg(60.6 lb)	22 kg(48.5 lb)	22 kg(48.5 lb)	22 kg(48.5 lb)	22 kg(48.5 lb)	23 kg(50.7 lb)	23 kg(50.7 lb)	23 kg(50.7 lb)	23 kg(50.7 lb)	23 kg(50.7 lb)	25 kg(55.1 lb)	25 kg(55.1 lb)	25 kg(55.1 lb)	25 kg(55.1 lb)	25 kg(55.1 lb)
Front Cover	2.0 mm (0.08 inches), high transmission, AR coated tempered glass	2.0 mm (0.08 inches), high transmission, AR coated tempered glass	2.0 mm (0.08 inches), high transmission, AR coated tempered glass	2.0 mm (0.08 inches), high transmission, AR coated tempered glass	2.0 mm (0.08 inches), high transmission, AR coated tempered glass	2.0 mm (0.08 inches), high transmission, AR coated tempered glass	2.0 mm (0.08 inches), high transmission, AR coated tempered glass	3.2 mm (0.13 inches), high transmission, AR coated tempered glass	2.0 mm (0.08 inches), high transmission, AR coated tempered glass	2.0 mm (0.08 inches), high transmission, AR coated tempered glass	2.0 mm (0.08 inches), high transmission, AR coated tempered glass	2.0 mm (0.08 inches), high transmission, AR coated tempered glass	3.2 mm (0.13 inches), high transmission, AR coated tempered glass	3.2 mm (0.13 inches), high transmission, AR coated tempered glass	3.2 mm (0.13 inches), high transmission, AR coated tempered glass	3.2 mm (0.13 inches), high transmission, AR coated tempered glass	3.2 mm (0.13 inches), high transmission, AR coated tempered glass	3.2 mm (0.13 inches), high transmission, AR coated tempered glass	3.2 mm (0.13 inches), high transmission, AR coated tempered glass	3.2 mm (0.13 inches), high transmission, AR coated tempered glass	3.2 mm (0.13 inches), high transmission, AR coated tempered glass	3.2 mm (0.13 inches), high transmission, AR coated tempered glass
Back Cover	2.0 mm (0.08 inches), high transmission, AR coated tempered glass	2.0 mm (0.08 inches), high transmission, AR coated tempered glass	2.0 mm (0.08 inches), high transmission, AR coated tempered glass	2.0 mm (0.08 inches), high transmission, AR coated tempered glass	2.0 mm (0.08 inches), high transmission, AR coated tempered glass	2.0 mm (0.08 inches), high transmission, AR coated tempered glass	2.0 mm (0.08 inches), high transmission, AR coated tempered glass	2.0 mm (0.08 inches), high transmission, AR coated tempered glass	White composite fi lm	White composite fi lm	White composite fi lm	White composite fi lm	White composite fi lm	White composite fi lm	White composite fi lm	White composite fi lm	White composite fi lm	White composite fi lm	White composite fi lm	White composite fi lm	White composite fi lm	White composite fi lm
Frame	Silver, anodized aluminium alloy	Silver, anodized aluminium alloy	Silver, anodized aluminium alloy	Silver, anodized aluminium alloy	Silver, anodized aluminium alloy	Silver, anodized aluminium alloy	Silver, anodized aluminium alloy	Silver, anodized aluminium alloy	Silver, anodized aluminium alloy	Silver, anodized aluminium alloy	Silver, anodized aluminium alloy	Silver, anodized aluminium alloy	Silver, anodized aluminium alloy	Silver, anodized aluminium alloy	Silver, anodized aluminium alloy	Silver, anodized aluminium alloy	Silver, anodized aluminium alloy	Silver, anodized aluminium alloy	Silver, anodized aluminium alloy	Silver, anodized aluminium alloy	Silver, anodized aluminium alloy	Silver, anodized aluminium alloy
J-Box	IP68 Rated	IP68 Rated	IP68 Rated	IP68 Rated	≥IP67	≥IP67	≥IP67	≥IP67	IP68 Rated	IP68 Rated	IP68 Rated	IP68 Rated	≥IP67	≥IP67	≥IP67	≥IP67	≥IP67	≥IP67	≥IP67	≥IP67	≥IP67	≥IP67
Cable	4.0 mm2 solar cable, 300 mm(11.8 inches)	4.0 mm2 solar cable, 300 mm(11.8 inches)	4.0 mm2 solar cable, 300 mm(11.8 inches)	4.0 mm2 solar cable, 300 mm(11.8 inches)	4.0 mm2 solar cable, 300 mm(11.8 inches)	4.0 mm2 solar cable, 300 mm(11.8 inches)	4.0 mm2 solar cable, 300 mm(11.8 inches)	4.0 mm2 solar cable, 300 mm(11.8 inches)	4.0 mm solar cable, 1000 mm (39.4 inches)/customizable	4.0 mm solar cable, 1000 mm (39.4 inches)/customizable	4.0 mm solar cable, 1000 mm (39.4 inches)/customizable	4.0 mm solar cable, 1000 mm (39.4 inches)/customizable	4.0 mm2 solar cable, 300 mm(11.8 inches)	4.0 mm2 solar cable, 300 mm(11.8 inches)	4.0 mm2 solar cable, 300 mm(11.8 inches)	4.0 mm2 solar cable, 300 mm(11.8 inches)	4.0 mm2 solar cable, 300 mm(11.8 inches)	4.0 mm2 solar cable, 150/300 mm(5.9/11.8 inches)	4.0 mm2 solar cable, 150/300 mm(5.9/11.8 inches)	4.0 mm2 solar cable, 150/300 mm(5.9/11.8 inches)	4.0 mm2 solar cable, 150/300 mm(5.9/11.8 inches)	4.0 mm2 solar cable, 150/300 mm(5.9/11.8 inches)
Number of diodes	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Connector	MC4 or MC4 compatible	MC4 or MC4 compatible	MC4 or MC4 compatible	MC4 or MC4 compatible	MC4 EVO2 compatible	MC4 EVO2 compatible	MC4 EVO2 compatible	MC4 EVO2 compatible	MC4 or MC4 compatible	MC4 or MC4 compatible	MC4 or MC4 compatible	MC4 or MC4 compatible	MC4 EVO2 compatible	MC4 EVO2 compatible	MC4 EVO2 compatible	MC4 EVO2 compatible	MC4 EVO2 compatible	MC4 EVO2 compatible	MC4 EVO2 compatible	MC4 EVO2 compatible	MC4 EVO2 compatible	MC4 EVO2 compatible