



Geyser Gecko

Solar Panel Selection Guide

Note

- All panel recommendations in the tables below assume solar panels are connected in series.

JA Solar Panels

								Max Current [A] with Recommended Number of Panels for Geyser Element Power [W]		
Brand	Model	Power [W]	Voc [V]	Vmp [V]	Imp [A]	Isc [A]	Recommended Number of Panels	2000	3000	4000
JA Solar	JAM60S-17-320-MR-AB-MC4	320.10	40.6	33.73	9.49	10.16	5	5.83	7.15	8.25
JA Solar	JAM60S-17-325-MR-AB-MC4	325.09	40.87	33.97	9.57	10.23	5	5.88	7.20	8.31
JA Solar	JAM60S-21-365-MR-AB-MC4-SM	367.11	41.13	33.96	10.81	11.35	4	5.59	6.84	7.90
JA Solar	JAM60S-20-375-MR-AB-MC4	375.02	41.45	34.5	10.87	11.41	4	5.65	6.92	7.99
JA Solar	JAM60S-20-375-MR-MC4-SM	375.02	41.45	34.5	10.87	11.41	4	5.65	6.92	7.99
JA Solar	JAM60S-20-380-MR-MC4	380.04	41.62	34.77	10.93	11.47	4	5.69	6.96	8.04
JA Solar	JAM60S-20-380-MR-MC4-SM	380.04	41.62	34.77	10.93	11.47	4	5.69	6.96	8.04
JA Solar	JAM60S-20-385-MR-MC4	385.09	41.78	35.04	10.99	11.53	4	5.72	7.01	8.09
JA Solar	JAM60S-20-385-MR-MC4-SM	385.09	41.78	35.04	10.99	11.53	4	5.72	7.01	8.09
JA Solar	JAM54S30-415/MR	415.00	37.45	31.61	13.13	14.02	4	5.94	7.28	8.40
JA Solar	JAM54S30-420/MR	420.00	37.58	31.8	13.13	14.02	4	5.98	7.32	8.45
JA Solar	JAM72S20-445/MR	445.00	49.56	41.21	10.8	11.32	4	6.15	7.54	8.70
JA Solar	JAM72S20-450/MR	450.00	49.7	41.52	10.84	11.36	4	6.19	7.58	8.75
JA Solar	JAM72S20-455/MR	455.00	49.85	41.82	10.88	11.41	4	6.22	7.62	8.80
JA Solar	JAM72S20-460/MR	460.00	50.01	42.13	10.92	11.45	4	6.26	7.66	8.85

JA Solar	JAM72S20-465/MR	465.00	50.15	42.43	10.96	11.49	4	6.29	7.70	8.89
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Table 1: JA Solar Panel Selection Guide

RenewSys Solar Panels

Brand	Model	Power [W]	Voc [V]	Vmp [V]	Imp [A]	Isc [A]	Recommended Number of Panels	Max Current [A] with Recommended Number of Panels for Geyser Element Power [W]		
								2000	3000	4000
RenewSys	Deserv 260W	260.51	38.4	30.72	8.48	8.83	6	5.77	7.06	8.15
RenewSys	Deserv 265W	265.85	38.46	30.77	8.64	9	6	5.82	7.13	8.24
RenewSys	Deserv 270W	270.50	38.7	30.95	8.74	9.13	6	5.88	7.20	8.31
RenewSys	Deserv 275W	275.45	38.97	31.16	8.84	9.14	6	5.93	7.26	8.38
RenewSys	Deserv 315W	316.04	46.15	36.92	8.56	8.92	5	5.80	7.10	8.20
RenewSys	Deserv 320W	320.66	46.18	37.2	8.62	9.07	5	5.84	7.15	8.26
RenewSys	Deserv 325W	325.47	46.21	37.41	8.7	9.19	5	5.88	7.20	8.32
RenewSys	Deserv 330W	331.12	46.24	37.67	8.79	9.31	5	5.93	7.27	8.39
RenewSys	Deserv 335W	335.42	46.27	37.9	8.85	9.41	5	5.97	7.31	8.45
RenewSys	Deserv 340W	340.21	46.3	38.14	8.92	9.54	5	6.01	7.37	8.51
RenewSys	Deserv 345W	345.50	47.62	38.82	8.9	9.5	5	6.06	7.42	8.57
RenewSys	Deserv 350W	350.67	47.92	39.05	8.98	9.56	5	6.11	7.48	8.64

RenewSys	Deserv 355W	355.88	48.22	39.28	9.06	9.62	5	6.15	7.53	8.70
RenewSys	Deserv 360W	361.03	48.52	39.5	9.14	9.68	4	5.54	6.79	7.84
RenewSys	Deserv 365W	365.82	48.82	39.72	9.21	9.74	4	5.58	6.83	7.89
RenewSys	Deserv 370W	370.64	49.12	39.94	9.28	9.8	4	5.62	6.88	7.94
RenewSys	Deserv 375W	375.59	49.41	40.17	9.35	9.87	4	5.65	6.92	7.99
RenewSys	Deserv 380W	380.47	49.69	40.39	9.42	9.93	4	5.69	6.97	8.05
RenewSys	Deserv 385W	385.42	49.78	40.57	9.5	9.99	4	5.73	7.01	8.10
RenewSys	Deserv 390W	389.88	49.87	40.74	9.57	10.05	4	5.76	7.05	8.14
RenewSys	Deserv 395W	395.64	49.9	40.83	9.69	10.11	4	5.80	7.11	8.20
RenewSys	Deserv 400W	400.53	49.93	41.08	9.75	10.18	4	5.84	7.15	8.25
RenewSys	Deserv 405W	405.27	49.98	41.27	9.82	10.27	4	5.87	7.19	8.30
RenewSys	Deserv 410W	410.24	50.08	41.48	9.89	10.35	4	5.91	7.24	8.35
RenewSys	Deserv 415W	415.23	50.2	41.69	9.96	10.43	4	5.94	7.28	8.41

Table 2: RenewSys Solar Panel Guide

CanadianSolar Solar Panels

								Max Current [A] with Recommended Number of Panels for Geyser Element Power [W]		
Brand	Model	Power [W]	Voc [V]	Vmp [V]	Imp [A]	Isc [A]	Recommended Number of Panels	2000	3000	4000
Canadian Solar	CS6X-330	330.50	50	38.7	8.54	9.17	5	5.93	7.26	8.38
Canadian Solar	CS6X-335	335.32	46.3	38.9	8.62	9.23	5	5.97	7.31	8.44
Canadian Solar	CS3L-340P-MC4-F30	340.02	39.6	32.6	10.43	10.98	5	6.01	7.36	8.50
Canadian Solar	CS6X-340	340.56	46.5	39.1	8.71	9.29	5	6.02	7.37	8.51
Canadian Solar	CS3L-345P-MC4-F30	345.06	39.8	32.8	10.52	11.06	5	6.06	7.42	8.57
Canadian Solar	CS6X-345	345.45	46.7	39.3	8.79	9.35	5	6.06	7.42	8.57
Canadian Solar	CS3L-350P-MC4-F30	350.13	40.2	33	10.61	11.24	5	6.10	7.47	8.63
Canadian Solar	CS6X-355	355.32	47.1	39.7	8.95	9.47	5	6.15	7.53	8.69

Canadian Solar	CS1U-400MS	400.43	53.4	44.1	9.08	9.6	4	5.84	7.15	8.25
Canadian Solar	CS3W-405P-EVO2-F30	405.34	47.4	38.9	10.42	10.98	4	5.87	7.19	8.30
Canadian Solar	CS3W-410P-EVO2-F30	410.16	47.6	39.1	10.49	11.06	4	5.91	7.23	8.35
Canadian Solar	CS3W-410P-MC4	410.16	47.6	39.1	10.49	11.06	4	5.91	7.23	8.35
Canadian Solar	CS3W-415P-EVO2-F30	415.01	47.8	39.3	10.56	11.14	4	5.94	7.28	8.40
Canadian Solar	CS3W-415P-MC4	415.01	47.8	39.3	10.56	11.14	4	5.94	7.28	8.40
Canadian Solar	CS1U-415MS	415.71	53.7	44.7	9.3	9.75	4	5.95	7.28	8.41
Canadian Solar	CS3W-420P-EVO2	420.28	48	39.5	10.64	11.26	4	5.98	7.32	8.46
Canadian Solar	CS1U-420MS	420.71	53.8	44.9	9.37	9.8	4	5.98	7.33	8.46
Canadian Solar	CS3W-425P-EVO2	425.19	48.2	39.7	10.71	11.29	4	6.01	7.37	8.51
Canadian Solar	CS3W-430P-MC4	430.12	48.4	39.9	10.78	11.32	4	6.05	7.41	8.55
Canadian Solar	CS3W-435P-MC4	435.09	48.6	40.1	10.85	11.35	4	6.08	7.45	8.60
Canadian Solar	CS3W-430MS	430.40	48.3	40.3	10.68	11.37	4	6.05	7.41	8.56
Canadian Solar	CS3W-440MS	435.38	48.5	40.5	10.75	11.42	4	6.09	7.45	8.61
Canadian Solar	CS3W-445MS	445.40	48.9	40.9	10.89	11.54	4	6.16	7.54	8.71

Canadian Solar	CS3W-450MS	450.46	49.1	41.1	10.96	11.6	4	6.19	7.58	8.75
Canadian Solar	CS3W-455MS	455.13	49.3	41.3	11.02	11.66	4	6.22	7.62	8.80

Table 3: CanadianSolar Solar Panel Guide

Jinergy Solar Panels

Brand	Model	Power [W]	Voc [V]	Vmp [V]	Imp [A]	Isc [A]	Recommended Number of Panels	Max Current [A] with Recommended Number of Panels for Geyser Element Power [W]		
								2000	3000	4000
Jinergy	JNMP60-260	260.07	37.69	30.56	8.51	9.05	6	5.76	7.06	8.15
Jinergy	JNMP60-265	265.09	37.89	30.86	8.59	9.12	6	5.82	7.12	8.22
Jinergy	JNMP60-270	270.07	38.14	31.15	8.67	9.2	6	5.87	7.19	8.30
Jinergy	JNMP60-275	275.01	38.27	31.43	8.75	9.27	6	5.92	7.26	8.38
Jinergy	JNMP60-280	280.09	38.47	31.72	8.83	9.34	6	5.98	7.32	8.45
Jinergy	JNMP72-330	330.99	45.97	37.4	8.85	9.35	5	5.93	7.27	8.39
Jinergy	JNMP72-335	335.04	46.17	37.56	8.92	9.45	5	5.97	7.31	8.44
Jinergy	JNMP72-340	340.04	46.37	37.74	9.01	9.55	5	6.01	7.36	8.50
Jinergy	JNMP72-345	345.07	46.57	37.92	9.1	9.65	5	6.06	7.42	8.57
Jinergy	JNMP72-350	350.14	46.77	38.1	9.19	9.75	5	6.10	7.47	8.63

Table 4: Jinergy Solar Panel Guide

Jinko Solar Panels

Brand	Model	Power [W]	Voc [V]	Vmp [V]	Imp [A]	Isc [A]	Recommended Number of Panels	Max Current [A] with Recommended Number of Panels for Geyser Element Power [W]		
								2000	3000	4000
Jinko	JKM375M-60HLM-V	375.00	41.12	34.53	10.86	11.59	4	5.65	6.92	7.99
Jinko	JKM390M-6RL3-V	390.08	43.75	36.49	10.69	11.39	4	5.76	7.06	8.15
Jinko	JKM535M-72HL4	535.00	49.34	40.63	13.17	13.79	3	5.84	7.16	8.26
Jinko	JKM540M-72HL4	540.00	49.42	40.7	13.27	13.85	3	5.87	7.19	8.30
Jinko	JKM545M-72HL4	545.00	49.52	40.8	13.36	13.94	3	5.90	7.22	8.34
Jinko	JKM550M-72HL4	550.00	49.62	40.9	13.45	14.03	3	5.92	7.25	8.38
Jinko	JKM555M-72HL4	555.00	49.72	40.99	13.54	14.12	3	5.95	7.29	8.42

Table 5: Jinko Solar Panel Guide

Longi Solar Panels

Brand	Model	Power [W]	Voc [V]	Vmp [V]	Imp [A]	Isc [A]	Recommended Number of Panels	Max Current [A] with Recommended Number of Panels for Geyser Element Power [W]		
								2000	3000	4000
Longi	LR4-75HPH-425M	425.25	48.3	40.5	10.5	11.23	4	6.01	7.37	8.51
Longi	LR4-75HPH-430M	430.20	48.5	40.7	10.57	11.31	4	6.05	7.41	8.56
Longi	LR4-75HPH-435M	433.05	48.5	40.7	10.64	11.39	4	6.07	7.43	8.58
Longi	LR4-75HPH-440M	440.18	48.9	41.1	10.71	11.46	4	6.12	7.49	8.65
Longi	LR4-75HPH-445M	445.21	49.1	41.3	10.78	11.53	4	6.15	7.54	8.70
Longi	LR4-75HPH-450M	450.28	49.3	41.5	10.85	11.6	4	6.19	7.58	8.75
Longi	LR4-75HPH-455M	455.36	49.5	41.7	10.92	11.66	4	6.22	7.62	8.80
Longi	LR-54HTH-415M	415.00	38.53	32.24	12.88	13.92	4	5.94	7.28	8.40
Longi	LR-54HTH-420M	420.00	38.73	32.44	12.95	14	4	5.98	7.32	8.45
Longi	LR-54HTH-425M	425.00	38.93	32.64	13.03	14.07	4	6.01	7.36	8.50
Longi	LR-54HTH-430M	430.00	39.13	32.84	13.1	14.15	4	6.05	7.41	8.55

Table 6: Longi Solar Panel Guide

TrinaSolar Solar Panels

Brand	Model	Power [W]	Voc [V]	Vmp [V]	Imp [A]	Isc [A]	Recommended Number of Panels	Max Current [A] with Recommended Number of Panels for Geyser Element Power [W]		
								2000	3000	4000
TrinaSolar	TSM-DE09R 415W	415.00	50	41.7	9.94	10.55	4	5.94	7.28	8.40
TrinaSolar	TSM-DE09R 420W	420.00	50.1	42	10.01	10.58	4	5.98	7.32	8.45
TrinaSolar	TSM-DE09R 425W	425.00	50.2	42.2	10.08	10.61	4	6.01	7.36	8.50
TrinaSolar	TSM-DE09R 430W	430.00	50.3	42.3	10.17	10.64	4	6.05	7.41	8.55
TrinaSolar	TSM-DE09R 435W	435.00	50.4	42.5	10.24	10.67	4	6.08	7.45	8.60

Table 7: TrinaSolar Solar Panel Guide