

The smart, simple & stunning solar system

SmartFlower is a revolutionary solar energy system. Beneath its elegant design is a remarkably intelligent system; fully integrated with smart features that make SmartFlower up to 40% more efficient in providing you with clean energy. There's no better way to showcase your commitment to sustainability than with a SmartFlower.









INVERTER DATA	
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Nominal Frequency 60 Hz 50 Hz	INVERTER DATA		
DC Input Data Max PV-generator power 6 kWp	Inverter	Fronius Primo 3.8 (UL)	Fronius Primo 3.0 (CE)
Max. PV-generator power 6 kWp 4.5 kWp Max. DC voltage 600 V 1000 V Max. DC voltage 600 V 1000 V Max. DC vork current 18 A 12 A Number of inputs/Mpp trackers 2 2 AC Output Data 3800 VA 3000 VA Max. AC current 15.8 A (240V) 13.0 A Power factor (cos g) 0.85-1 ind. / cap. 0.85-1 ind. / cap. AC connection On-grid (240 V split-phase, L1, L2, N, PE) On-grid (230V L, N, PE) Grid Frequency Range 50 – 66 Hz (240V) 45 – 65 Hz Feed-in phases Max efficiency 96.7% 98.0% Max efficiency 96.7% 98.0% 96.1% (nEU) Protective Devices DC reverse polarity protection Yes Yes DC reverse polarity protection Yes Yes Yes DC reverse polarity protection Yes Yes Yes DC reverse polarity protection Yes Yes NA Anti Islanding Internal, in accordance with UL 1741 2016 609, IEEE 1547 2003 and NEC 2017<		60 Hz	50 Hz
Max. DC voltage 600 V 1000 V MPPT voltage range 200-480 V 80-800 V Max. DC work current 18 A 12 A Number of inputs/Mpp trackers 2 2 AC Output Data 3800 VA 3000 VA Rated AC power 3800 VA 3000 VA Max. AC current 15.8 A (240V) 13.0 A Power factor (cos g) 0.85-1 ind. / cap. 0.85-1 ind. / cap. AC connection On-grid (240 V split-phase, L1, L2, N, PE) On-grid (230V L, N, PE) AC connection On-grid (240 V split-phase, L1, L2, N, PE) On-grid (230V L, N, PE) AC connection On-grid (240 V split-phase, L1, L2, N, PE) On-grid (230V L, N, PE) Grid Frequency Range 50 – 66 Hz (240V) 45 – 65 Hz Feed-in phases Wa 98.0% Max. efficiency 96.7% 98.0% Max. efficiency 95.0% 96.1% (nEU) Protective Devices Ves Yes DC reverse polarity protection Yes Yes DC insulation measurement NA Yes	· ·		
MPPT voltage range	Max. PV-generator power	<u>'</u>	4.5 kWp
Max. DC work current 18 A 12 A Number of inputs/Mpp trackers 2 2 AC Output Data 3800 VA 3000 VA Asted AC power 3800 VA 3000 VA Max. AC current 15.8 A (240V) 13.0 A Power factor (cos g) 0.85-1 ind. / cap. 0.85-1 ind. / cap. AC connection On-grid (240 V split-phase, L1, L2, N, PE) On-grid (230V L, N, PE) Grid Frequency Range 50 - 66 Hz (240V) 45 - 65 Hz Feed-in phases Max. efficiency 96.7% 98.0% Sector efficiency 95.0% 96.1% (nEU) Protective Devices DC reverse polarity protection Yes Yes DC Insulation measurement NA Yes Anti Islanding Internal, in accordance with UL 1741 NA Anti Islanding Internal, in accordance with UL 1741 NA Over Temperature Protection Output power derating/Active NA Over Temperature Protection Output power derating/Active NA AFCI Yes <td>Max. DC voltage</td> <td>600 V</td> <td>1000 V</td>	Max. DC voltage	600 V	1000 V
Number of inputs/Mpp trackers 2 2 2	MPPT voltage range	200-480 V	80-800 V
Rated AC power 3800 VA 3000 VA 3000 VA	Max. DC work current	18 A	12 A
Rated AC power 3800 VA 3000 VA	Number of inputs/Mpp trackers	2	2
Max. AC current 15.8 A (240V) 13.0 A Power factor (cos g) 0.85-1 ind. / cap. 0.85-1 ind. / cap. AC connection On-grid (240 V split-phase, L1, L2, N, PE) On-grid (230V L, N, PE) AC connection So - 66 Hz (240V) 45 - 65 Hz Grid Frequency Range 50 - 66 Hz (240V) 45 - 65 Hz Feed-in phases Wax. efficiency 96.7% 98.0% CEC efficiency 95.0% 96.1% (nEU) Protective Devices Personance Personance Personance DC reverse polarity protection Yes Yes NA Anti Islanding Internal, in accordance with UL 1741 NA Yes Anti Islanding Internal, in accordance with UL 1741 NA NA Over Temperature Protection Output power derating/Active Cooling NA NA Over Temperature Protection Output power derating/Active Cooling NA NA Overload behavior Ves NA NA Replied shutdown compliant Per Sect. 690.12 of 2014 (of NEC 2017 prior to Jan 2019) Ves NA Gr	AC Output Data		
Power factor (cos g)	Rated AC power	3800 VA	3000 VA
AC connection On-grid (240 V split-phase, L1, L2, N, PE) Grid Frequency Range 50 – 66 Hz (240V) 45 – 65 Hz Feed-in phases Max. efficiency 96.7% 98.0% CEC efficiency 95.0% 96.1% (ηΕU) Protective Devices DC reverse polarity protection Yes Yes DC Insulation measurement NA Yes Anti Islanding Internal, in accordance with UL 1741 NA Anti Islanding Internal, in accordance with UL 1741 NA Anti Islanding Over Temperature Protection Output power derating/Active Cooling Over Temperature Protection Output power derating/Active NA Cooling Overload behavior AFCI Yes NA Rapid shutdown compliant Per Sect. 690.12 of 2014 (of NEC 2017 prior to Jan 2019) Ground Fault Protection with Isolation Monitor Interrupter DC Disconnect Yes Yes Normative references Certificate and compliance with Standards UL 1741-2010 Second Edition (incl. UL1741 Supplement SA 2016-09 for California Rue 21 and Hawaiian Iberic Coole Rue I Alii, UL1998 (for functions AFCI, RCNU and sclatton monotoring), IEEE 1947-2013, ARSI/KEEE CG24, NCC Part 15 A & B. NEC 2017 Ancie 690, CZ42, NCC Part 15 A & B. NEC 2017 Ancie	Max. AC current	15.8 A (240V)	13.0 A
Feed-in phases Max. efficiency 96.7% 98.0% CEC efficiency 95.0% 96.1% (nEU) Protective Devices DC reverse polarity protection Yes Yes DC Insulation measurement NA Yes Anti Islanding Internal, in accordance with UL 1741 NA NA Cooling Operating Protection Output power derating/Active Cooling Over Temperature Protection Output power derating/Active NA Cooling Operating point shift. Power Limitation AFCI Yes NA Rapid shutdown compliant Per Sect. 690.12 of 2014 (of NEC 2017 prior to Jan 2019) Ground Fault Protection with Isolation Monitor Interrupter DC Disconnect Yes Yes Yes Normative references Certificate and compliance with standards UL 1741-2010 Second Edition (incl. UL1741 Supplement SA 2016-09 for California Rus 21 and Hawaiian Beliefic Code Rule Hally, UL1998 (for Interiors AFCI, RCNU and isolation monitoring), IEEE 1947-2003, NESS/EEE C624, RCC Part 15 A & B. NEC 2017 Anche 690, C22 No. 1071-16, UL10998 Issue 2-2013, CSA TT. 46, 977-22, EC 4071-16, UL10998 Issue 2-2013, CSA TT. 46, 977-22, EC 4071-16, UL10998 Issue 2-2013, CSA TT. 46, 977-22, EC 4071-16, UL10998 Issue 2-2013, CSA TT. 46, 977-22, EC 4071-16, UL10998 Issue 2-2013, CSA TT. 46, 977-22, EC 4071-16, UL10998 Issue 2-2013, CSA TT. 46, 977-22, EC 4071-16, UL10998 Issue 2-2013, CSA TT. 46, 977-22, EC 4071-16, UL10998 Issue 2-2013, CSA TT. 46, 977-22, EC 4071-16, UL10998 Issue 2-2013, CSA TT. 46, 977-22, EC 4071-16, UL10998 Issue 2-2013, CSA TT. 46, 977-22, EC 4071-16, UL10998 Issue 2-2013, CSA TT. 46, 977-22, EC 4071-16, UL10998 Issue 2-2013, CSA TT. 46, 977-22, EC 4071-16, UL10998 Issue 2-2013, CSA TT. 46, 977-22, EC 4071-16, UL10998 Issue 2-2013, CSA TT. 46, 977-22, EC 4071-16, UL10998 Issue 2-2013, CSA TT. 46, 977-22, EC 4071-16, UL10998 Issue 2-2013, CSA TT. 46, 977-22, EC 4071-16, 977-22, EC 40	Power factor (cos g)	0.85-1 ind. / cap.	0.85-1 ind. / cap.
Feed-in phases Max. efficiency 96.7% 98.0% CEC efficiency 95.0% 96.1% (ηEU) Protective Devices DC reverse polarity protection Yes Yes Anti Islanding Internal, in accordance with UL 1741 NA 2016 09, IEEE 1547 2003 and NEC 2017 Over Temperature Protection Output power derating/Active NA Accoling Operating point shift. Power Limitation AFCI Yes NA Rapid shutdown compliant Per Sect. 690.12 of 2014 (of NEC 2017 prior to Jan 2019) Ground Fault Protection with Isolation Monitor Interrupter DC Disconnect Yes Yes Normative references Certificate and compliance with standards UL 1741-2010 Second Edition (incl. UL1241 Supplement SA. 2016-09 for California Rule 21 and Hawaiian Electric Code Rule 144h), UL1988 for Internative references Certificate and compliance with standards UL 1741-2010 Second Edition (incl. UL1241 Supplement SA. 2016-09 for California Rule 21 and Hawaiian Electric Code Rule 144h), UL1988 for Internative Process of Technology (incl. Unit 1741-2003), IEEE 1547-12-003, IEEE 1547-12-003, ANS/IEEE CG24, IF CF Part 15 A 8 8, NEC 2017 Andec 690, C22 2 No 1071-16, UL1998 flows 2-2-013, CSA TIL M-07 Issue 1 – 2013 General Data Operative temperature range -40° F to 131° F -40° C to 55° C -40° F to 131° F -40° C to 55° C Relative humidity 0 – 100% 0 – 100% Degree of protection NEMA 4X IP 65	AC connection		On-grid (230V L, N, PE)
Max, efficiency 96.7% 98.0% CEC efficiency 95.0% 96.1% (nEU) Protective Devices DC reverse polarity protection Yes Yes DC Insulation measurement NA Yes Anti Islanding Internal, in accordance with UL 1741 NA 2016 09, IEEE 1547 2003 and NEC 2017 Over Temperature Protection Output power derating/Active NA Cooling Overload behavior Overload behavior Overload behavior Per Sect. 690.12 of 2014 (of NEC 2017 prior to Jan 2019) Ground Fault Protection with Isolation Monitor Interrupter DC Disconnect Yes Yes Yes Normative references Certificate and compliance with Standards UL 1741-2010 Second Edition (incl. UL1741 Supplement SA 2016-09 for California Rule 21 and Hawaiian Electric Code Rule 14th, UL1998 (for functions. AFCI, RCMU and loabilion monitoring), IEEE 1547-2003, IEEE 1547-12003, ANS/IEEE (SC24, RCC Part 15 A &B. NEC 2017 Article 690, C22 2 No. 1071-16, UL16998 Issue 2 -2013, CSA TIL M-07 Issue 1 - 2013 General Data Operative temperature range -40° F to 131° F -40° C to 55° C -40° F to 131° F -40° C to 55° C Relative humidity	Grid Frequency Range	50 – 66 Hz (240V)	45 – 65 Hz
CEC efficiency 95.0% 96.1% (nEU) Protective Devices DC reverse polarity protection Yes Yes DC Insulation measurement NA Yes Anti Islanding Internal, in accordance with UL 1741 2016 09, IEEE 1547 2003 and NEC 2017 Over Temperature Protection Output power derating/Active Cooling Overload behavior Operating point shift. Power Limitation AFCI Yes NA Rapid shutdown compliant Per Sect. 690.12 of 2014 (of NEC 2017 prior to Jan 2019) Ground Fault Protection with Isolation Yes Monitor Interrupter DC Disconnect Yes Yes Normative references Certificate and compliance with Awadian Electric Code Rule 144h), U1998 (for functions. AFCI, RCNU and isolation monitoring), IEEE 1547-2003, IEEE 15471-2003, ANSI/IEEE (6224, ICC Part 15 A. B., INC 2017 Arbide 690, C22, 2 No. 1071-16, UL16998 Issue 2 -2013, CSA TIL M-07 Issue 1 - 2013 General Data Operating point shift. Power Limitation NA DIN V DE 0126-1-1/AI, IEC 62109-1/-2, IEC 621			
Protective Devices DC reverse polarity protection Yes Yes DC Insulation measurement NA Yes Anti Islanding Internal, in accordance with UL 1741 2016 09, IEEE 1547 2003 and NEC 2017 Over Temperature Protection Output power derating/Active Cooling Overload behavior Operating point shift. Power Limitation AFCI Yes NA Rapid shutdown compliant Per Sect. 690.12 of 2014 (of NEC 2017 prior to Jan 2019) Ground Fault Protection with Isolation Monitor Interrupter DC Disconnect Yes Yes Yes Normative references Certificate and compliance with standards UL 1741-2010 Second Edition (incl. UL1741 Supplement SA 2016-09 for California bule 21 and Hawaiian Electric Code Rule 14H). UL1998 (for functions: AFC, IRCMU and isolation monitoring). IEEE 1547-2003, IEEE 15	Max. efficiency	96.7%	98.0%
DC reverse polarity protection Pes DC Insulation measurement NA NA Yes Anti Islanding Internal, in accordance with UL 1741 2016 09, IEEE 1547 2003 and NEC 2017 Over Temperature Protection Output power derating/Active Cooling Overload behavior Operating point shift. Power Limitation AFCI Yes NA Rapid shutdown compliant Per Sect. 690.12 of 2014 (of NEC 2017 prior to Jan 2019) Ground Fault Protection with Isolation Monitor Interrupter DC Disconnect Yes Yes Normative references Certificate and compliance with standards UL 1741-2010 Second Edition (incl. UL1741 Supplement SA 2016-09 for California Rule 21 and Hawlian Electric Code Rule 14th, UL1998 (for functions: AFC, RCMU and isolation monitoring). IEEE 1547-2003, IEEE 1547-2003, IEEE 1547-203, ANSI/IEEE C62.41, FCC Part 15 A & B, NEC 2017 Article 690, C22. 2 No. 1071-16, UL16998 Issue 2 - 2013, CSA TIL M-07 Issue 1 - 2013 General Data Operative temperature range -40° F to 131° F -40° C to 55° C Relative humidity O - 100% NEMA 4X IP 65	CEC efficiency	95.0%	96.1% (ηΕU)
DC Insulation measurement Anti Islanding Internal, in accordance with UL 1741 2016 09, IEEE 1547 2003 and NEC 2017 Over Temperature Protection Output power derating/Active Cooling Overload behavior Overload behavior AFCI Yes NA Rapid shutdown compliant Per Sect. 690.12 of 2014 (of NEC 2017 prior to Jan 2019) Ground Fault Protection with Isolation Monitor Interrupter DC Disconnect Yes Ves Normative references Certificate and compliance with standards UL 1741-2010 Second Edition (incl. UL1741 Supplement SA 2016-09 for California Rule 21 and Hawaiian Electric Code Rule 14H), UL1998 for functions AFC, RCMU and isolation monitoring), IEEE 1547-2003, IEEE 1547-12-003, ANSI/IEEE CG2.41, FCC Part 15 A & B, NEC 2017 Article 690, C22.2 No. 1071-116, UL16998 Issue 2 -2013, CSA TIL M-07 Issue 1 - 2013 General Data Operative temperature range -40° F to 131° F -40° C to 55° C -40° F to 131° F -40° C to 55° C Relative humidity O - 100% NEMA 4X IP 65	Protective Devices		
Anti Islanding Internal, in accordance with UL 1741 2016 09, IEEE 1547 2003 and NEC 2017 Over Temperature Protection Output power derating/Active Cooling Overload behavior Operating point shift. Power Limitation NA AFCI Yes NA Rapid shutdown compliant Per Sect. 690.12 of 2014 (of NEC 2017 prior to Jan 2019) Ground Fault Protection with Isolation Yes Monitor Interrupter DC Disconnect Yes Yes Yes Normative references Certificate and compliance with Supplement \$A 2016-09 for California Rule 21 and Hawaiian Electric Code Rule 14H), UL1998 for functions: AFCI, RCMU and isolation monitoring), IEEE 1547-2003, IEEE 1547-2003, IEEE 1547-2003, ANSI/IEEE C62.41, FCC Part 15 A & B, NEC 2017 Article 690, C22.2 No. 1071-116, UL15998 Issue 2 -2013, CSA General Data Operative temperature range -40° F to 131° F -40° C to 55° C -40° F to 131° F -40° C to 55° C Relative humidity O -100% DEgree of protection NEMA 4X IP 65	DC reverse polarity protection	Yes	Yes
2016 09, IEEE 1547 2003 and NEC 2017 Over Temperature Protection Output power derating/Active Cooling Overload behavior Operating point shift. Power Limitation AFCI Yes NA Rapid shutdown compliant Per Sect. 690.12 of 2014 (of NEC 2017 prior to Jan 2019) Ground Fault Protection with Isolation Monitor Interrupter DC Disconnect Yes Ves Normative references Certificate and compliance with Supplement SA 2016-09 for California Rule 21 and Hawaiian Electric Code Rule 14H), UL1998 (for functions: AFCL, RCMU and isolation monitoring), IEEE 1547-2003, IEEE 15471-2003, ANSI/IEEE C6241, FCC Part 15 A & B, NEC 2017 Article 690, C22: 2 No. 107.1-16, UL1699B Issue 2 -2013, CSA TIL M-07 Issue 1 - 2013 General Data Operative temperature range -40° F to 131° F -40° C to 55° C Relative humidity 0 - 100% NEMA 4X IP 65	DC Insulation measurement	NA	Yes
CoolingOverload behaviorCoperating point shift. Power LimitationAFCIYesNARapid shutdown compliantPer Sect. 690.12 of 2014 (of NEC 2017 prior to Jan 2019)Ground Fault Protection with IsolationYesMonitor InterrupterYesYesDC DisconnectYesYesNormative referencesCertificate and compliance with standardsUL 1741-2010 Second Edition (incl. UL1741 Supplement SA 2016-09 for California Rule 21 and Hawaiian Electric Code Rule 14th), UL1998 for functions: AFCI, RCMU and isolation monitoring), IEEE 1547-2003, IEEE 1547-2003, IEEE 1547-12003, ANSI/IEEE C624I, FCC Part 15 A & B, NEC 2017 Article 690, C22 2 No. 107.1-16, UL1699B Issue 2 -2013, CSA TIL M-07 Issue 1 - 2013DIN V VDE 0126-1-1/A1, IEC 62109-1/-2, IEC 62116, IEC 61727, AS 4777-2, AS 4777-2, AS 4777-2, AS 4777-3, C83/2, G59/3, CEI 0-21, VDE AR NOW THE COLOR AND	Anti Islanding	2016 09, IEEE 1547 2003 and NEC	NA
Limitation AFCI AFCI Yes NA Rapid shutdown compliant Per Sect. 690.12 of 2014 (of NEC 2017 prior to Jan 2019) Ground Fault Protection with Isolation Monitor Interrupter DC Disconnect Yes Ves Normative references Certificate and compliance with standards UL 1741-2010 Second Edition (incl. UL1741 Supplement SA 2016-09 for California Rule 21 and Hawaiian Electric Code Rule 14H), UL1998 (for functions: AFCI, RCMU and isolation monitoring), IEEE 1547-1-2003, ANSI/IEEE C62.41, FCC Part 15 A & B, NEC 2017 Article 690, C22. 2 No. 107.1-16, UL1699B Issue 2 -2013, CSA TIL M-07 Issue 1 – 2013 General Data Operative temperature range -40° F to 131° F -40° C to 55° C Relative humidity 0 – 100% NEMA 4X IP 65	Over Temperature Protection		NA
Rapid shutdown compliant Per Sect. 690.12 of 2014 (of NEC 2017 prior to Jan 2019) Ground Fault Protection with Isolation Monitor Interrupter DC Disconnect Yes Yes Ves Normative references Certificate and compliance with standards Alawaiian Electric Code Rule 14H), UL1998 (for functions: AFCI, RCMU and isolation monitoring), IEEE 1547.1-2013, IEEE 1547.1-2003, IEEE 1547.1-2003, IEEE 1547.1-2003, IEEE 1547.1-2013, IEEE 1547.1-2013, IEEE 600, C22, 2 No. 107.1-16, UL16998 Issue 2 -2013, CSA TIL M-07 Issue 1 - 2013 General Data Operative temperature range -40° F to 131° F -40° C to 55° C Relative humidity O - 100% NEMA 4X IP 65	Overload behavior		. • .
Ground Fault Protection with Isolation Monitor Interrupter DC Disconnect Yes Yes Ves Ves Normative references Certificate and compliance with standards UL 1741-2010 Second Edition (incl. UL1741 Supplement SA 2016-09 for California Rule 21 and Hawaiian Electric Code Rule 14H), UL1998 (for functions: AFCI, RCMU and isolation monitoring), IEEE 1547-2003, IEEE 1547-1-2003, IEEE 1547-1-2003, ANSVIEEE C62.41, FCC Part 15 A & B, NEC 2017 Article 690, C22. 2 No. 107.1-16, UL1699B Issue 2 -2013, CSA TIL M-07 Issue 1 – 2013 General Data Operative temperature range -40° F to 131° F -40° C to 55° C Relative humidity 0 – 100% NEMA 4X IP 65	AFCI	Yes	NA
Monitor Interrupter DC Disconnect Yes Yes Normative references Certificate and compliance with standards UL 1741-2010 Second Edition (incl. UL1741 Supplement SA 2016-09 for California Rule 21 and Hawaiian Electric Code Rule 14H), UL1998 (for functions: AFCI, RCMU and isolation monitoring), IEEE 1547-2003, IEEE 1547-2003, IEEE 1547-2003, NSI/IEEE C62.41, FCC Part 15 A & B, NEC 2017 Article 690, C22.2 No. 107.1-16, UL1699B Issue 2 -2013, CSA TIL M-07 Issue 1 - 2013 General Data Operative temperature range -40° F to 131° F -40° C to 55° C Relative humidity 0 - 100% NEMA 4X IP 65	Rapid shutdown compliant		
Normative references		Yes	
Certificate and compliance with standards UL 1741-2010 Second Edition (incl. UL1741 Supplement SA 2016-09 for California Rule 21 and Hawaiian Electric Code Rule 14H), UL1998 (for functions: AFCI, RCMU and isolation monitoring), IEEE 1547-2003, IEEE 1547.2003, ANSI/IEEE C62.41, FCC Part 15 A & B, NEC 2017 Article 690, C22. 2 No. 107.1-16, UL1699B Issue 2 -2013, CSA TIL M-07 Issue 1 - 2013 DIN V VDE 0126-1-1/A1, IEC 62109-1/-2, IEC 62116, IEC 61727, AS 4777-2, AS 4777-2, AS 4777-2, AS 4777-3, G83/2, G59/3, CEI 0-21, VDE AR NOT	DC Disconnect	Yes	Yes
Supplement SA 2016-09 for California Rule 21 and Hawaiian Electric Code Rule 14H), UL1998 (for functions: AFCI, RCMU and isolation monitoring), IEEE 1547-2003, IEEE 1547-2003, NSI/IEEE C62.41, FCC Part 15 A & B, NEC 2017 Article 690, C22. 2 No. 107.1-16, UL1699B Issue 2 -2013, CSA TIL M-07 Issue 1 - 2013 General Data			
General Data Operative temperature range -40° F to 131° F -40° C to 55° C -40° F to 131° F -40° C to 55° C Relative humidity 0 - 100% 0 - 100% Degree of protection NEMA 4X IP 65		Supplement SA 2016-09 for California Rule 21 and Hawaiian Electric Code Rule 14H), UL1998 (for functions: AFCI, RCMU and isolation monitoring), IEEE 1547-2003, IEEE 1547.1-2003, ANSI/IEEE C62.41, FCC Part 15 A & B, NEC 2017 Article 690, C22. 2 No. 107.1-16, UL1699B Issue 2 -2013, CSA	62116, IEC 61727, AS 4777-2, AS 4777-3, G83/2, G59/3, CEI 0-21, VDE AR N
Relative humidity $0-100\%$ $0-100\%$ Degree of protection NEMA 4X IP 65	General Data		
Relative humidity $0-100\%$ $0-100\%$ Degree of protection NEMA 4X IP 65	Operative temperature range	-40° F to 131° F -40° C to 55° C	-40° F to 131° F -40° C to 55° C
Degree of protection NEMA 4X IP 65		0 – 100%	0 – 100%
	•	NEMA 4X	IP 65
1 33		Transformerless	Transformerless



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INSTALLATION

Nominal output	2.5 kWp *	4 fastening points to foundation
Output with 2-axis tracking	4,500-6,500 kWh / a**	Assembly with earth screws, concrete foundation or a pre-cast concrete pad

SYSTEM		APPLICATION AREA	
Panel Type	Glass / Backsheet	Temperature Range	-4° F to 122° F -20° C to 50° C
Panel Power Output Warranty	25 years at ≥ 80%	Humidity	0 – 95% (non condensing)
Panel Product Warranty	10 years	Maximum altitude	13,123 ft. 4000 m
Cell type	Monocrystalline		
		ELECTRICAL CONNECTIONS	
Inverter Module	Integrated with unit	Up to 100 ft	4 x 12 AWG (L1, L2, N, PE)
Inverter Module Warranty	10 years	From 100 ft onwards	Accommodate for voltage drop
System Weight	1,550 lb 703 kg	The grid connection must be secured with 20A (16A for Europe) circuit breaker.	Local standards must be followed
System Warranty	5 years	Wind guard incl. 32 ft / 9.75m cable length.	
System self-consumption per year	Approx. < 100 kWh	Network / LAN cable recommended (CAT 6e or CAT7), RJ45 connector.	
Agency Approval	UL 3703, UL 1703, UL 1004, CSA, CE, FCC Class B	*If using a 208 VAC connection, please containstallation	ct SmartFlower Solar before

DIMENSIONS

FIXING POINTS / ORIENTATION

TRANSPORT POSITION TRACKING, MAX. HEIGHT ACTIVE AREA BOTTOM VIEW 9'/2.74m 9'/2.74m 9'/2.753m 9'/2.74m 17/5.2m 8OTTOM VIEW

SIPO 1 SIPO 2 Frost box *Recommended dimensions may vary based on local jurisdiction

The world's most intelligent solar system





Catch every last ray of sunlight.

The smart tracking system is the core of **SmartFlower's** brilliance. Every morning at sunrise, **SmartFlower** automatically unfolds itself. The dual-axis system allows **SmartFlower's** solar panels to follow the sun across the sky throughout the day, always maintaining the optimal angle to the sun. This makes **SmartFlower** 40% more efficient than a conventional solar system and capable of producing 4,000-6,400 kWh/year, depending on your location.



Simple.

Our certified **SmartFlower** technicians can set it up in just a few hours, providing you with immediate energy independence.



Efficient

Smart tracking helps **SmartFlower** stay at the optimal angle to the sun throughout the day for 40% more power.



Independent.

Self-cleaning and convection cooling keep **SmartFlower** running at maximum efficiency.



Elegant

Unique and powerful features packaged in an award-winning design.



EV Compatible.

SmartFlower can be used to charge electric vehicles thanks to easy integration with external EV charging stations. For organizations and companies, EV charging capacity is your "green business card" and is perfect for public spaces, shopping centers, hotels, restaurants, small businesses, and more.



SmartFlower +Plus.

With an integrated battery storage system, **SmartFlower +Plus** lets you store clean solar energy for when you need it most. That means that even during peak demand times, or when the power is out, your **SmartFlower +Plus** will continue to provide you with clean and reliable energy whether you're on or off the grid.