



Illinois Solar for All

Presented by: Kai Luckert
618-772-5885
kai@arfsolar.net



Solar Energy System Proposal

Prepared for

Fairmont City Library Center

4444 Collinsville Rd

Fairmont City, IL 62201



Recommended System Option

49.28 kW

System Size

107 %

Consumption Offset



Your Solution

Solar Panels

Hyundai Energy Solutions Co., Ltd.

49.3 kW Total Module Power

77 x 640 Watt Panels (HiC-T640NJ)

61,312 kWh per year

Solis Three Phase Grid-Tied Inverters

36 kW of Inverter Power

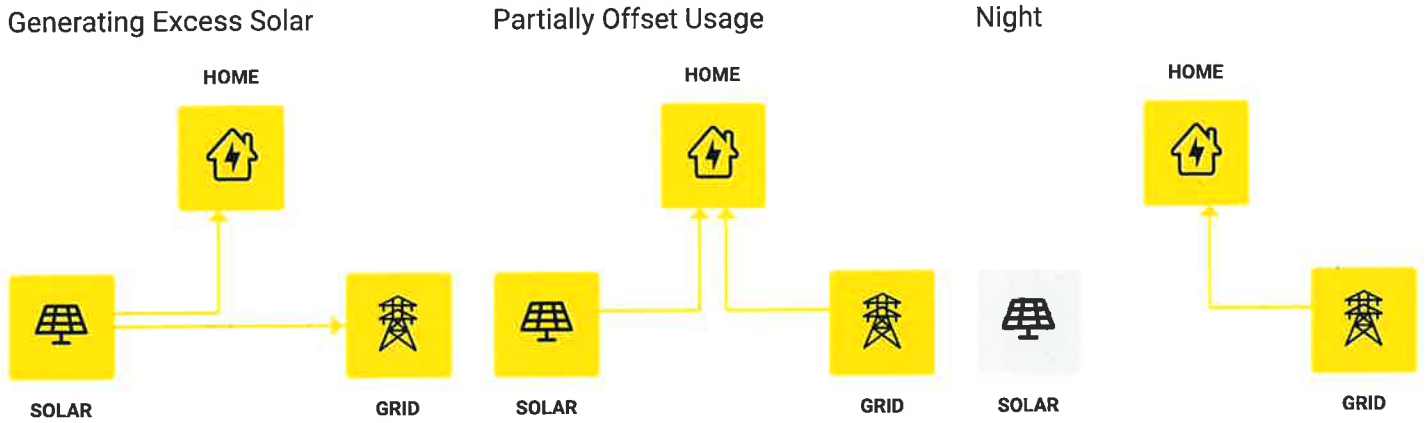
SOLIS

1 x S6-GC36K-US

10 Year Warranty Parts

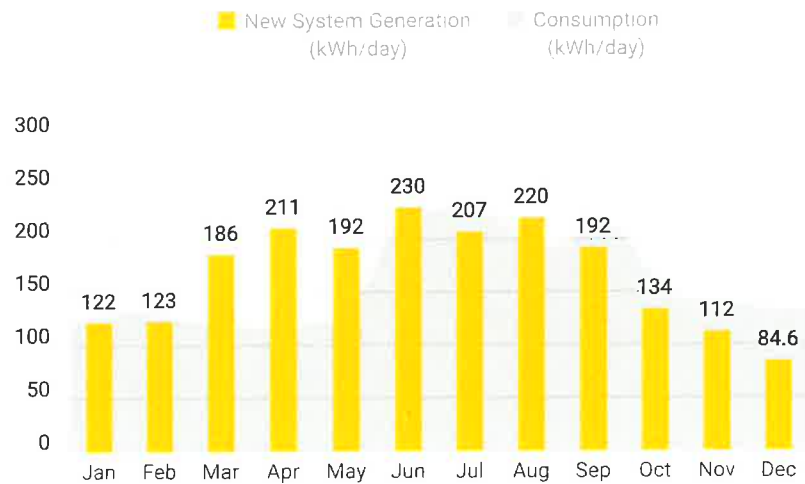


How your system works



System Performance

107%
Energy From Solar



System Performance Assumptions: System Total losses: 19.5%, Inverter losses: 1.7%, Optimizer losses: 0%, Shading losses: 0%, Performance Adjustment: 0%, Output Calculator: System Advisor Model 2020 02 29 r2. Panel Orientations: 77 panels with Azimuth 180 and Slope 10.

The solar system(s) quoted in this proposal are not intended to be portable.



Environmental Benefits

Solar has no emissions. It just silently generates pure, clean energy.

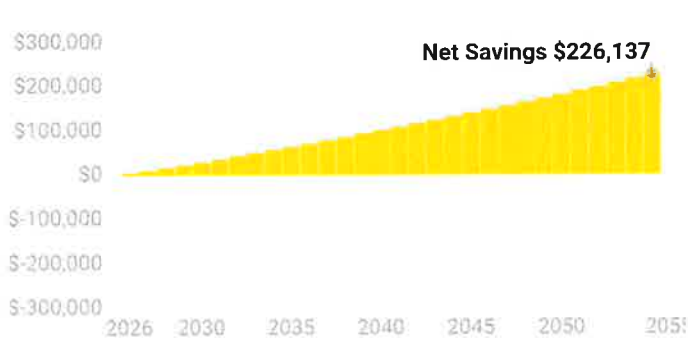


Each Year		Over System Lifetime		
107%	24 ^{tons}	444,392 ^{miles}	4,601	512
Consumption Offset	of CO ₂ reduced per year	Car distance avoided (lifetime)	Trees planted	Long haul flights avoided

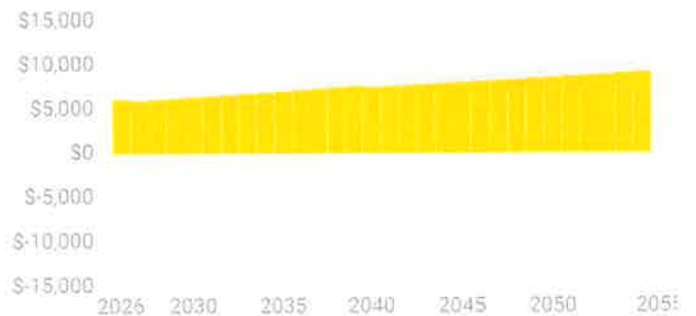
Net Financial Impact Cash

$$\begin{array}{rclcl}
 \$225,853 & - & \$-284 & = & \$226,137 \\
 \text{Utility Bill Savings} & & \text{Net System Cost} & & \text{Estimated Net Savings}
 \end{array}$$

Cumulative Savings From Going Solar



Annual Savings From Going Solar



Estimates do not include replacement costs of equipment not covered by a warranty. Components may need replacement after their warranty period. Financial discount rate assumed: 6.75%



Quotation

Payment Option: Cash

77 x Hyundai Energy Solutions Co., Ltd. 640 Watt Panels (HiC-T640NJ)
1 x S6-GC36K-US (SOLIS)

Total System Price	\$149,500.00
Purchase Price	\$149,500.00
No Deposit	\$0.00

Additional Incentives

Ameren Smart Inverter Rebate	\$14,784.00
ILSFA SREC	\$95,000.00
Federal Investment Tax Credit (ITC)	\$40,000.00
Total Additional Incentives	\$149,784.00
Net System Cost	\$-284.00

This proposal is valid until Apr 24 2026

Quote Acceptance

I have read & accept the terms and conditions.

Signature

Name

Date



Exclusive Letter of Intent to Develop Solar Energy Project

This Exclusive Letter of Intent (“**LOI**”), dated Apr 24 2026, is by and among:

- Fairmont City Library Center (“Customer”),
- ARF Solar (“ARF”), the solar Renewable Energy Credit (REC) Approved Vendor, where ARF is the “Developer”

1. Exclusivity

The Customer intends to give the Developers a period of 1 year, from the date of execution of this LOI, the sole and exclusive right to conduct discovery and due diligence necessary to determine the feasibility of a System for Customer at the property referenced in Exhibit A (the “Property”), provided, however, that the foregoing exclusivity will not apply and this LOI will expire where (a) Customer believes that Developer is no longer competitive in terms of pricing, quality, or other terms and conditions of service, (b) a force majeure event or other act of God exists, or (c) either interconnection approval from Ameren and acceptance into the Illinois Solar For All Program are not achieved within 120-days of the execution of this LOI.

2. Compliance with Discovery

The Customer will reasonably comply with the Developer to give reasonable access to visit and review the site, assist the Developer by providing necessary building information, and access to the last 12-month history of the electrical utility billings of the Customer, in order for the Developers to determine the project’s feasibility. Such compliance shall be provided by Customer at Developers’ expense and without material interruption to the Customer’s business operations or use of the property.

3. Utility Approvals

Customer intends to assist and fully cooperate with the Developer in obtaining necessary permits, licenses, and approvals in connection with the installation, operation and maintenance of the System, including the submission of applications for interconnection of the System with the local utility. If the pending interconnection for the System is not signed by the Customer, then all such permits, licenses, and approvals will be terminated by Developer.

4. Development Costs

Developer will bear the cost for the development of this project, aside from any desired batteries.

5. Federal Investment Tax Credit and Solar Renewable Energy Credits (SRECs)

Customer agrees to ARF Solar claiming the Federal Investment Tax Credit and Solar Renewable Energy Credits (SRECs) under the agreement that ARF will procure and install the System at no cost to the Customer, aside from any desired batteries.

6. Confidentiality; No Publicity

Customer acknowledges that Developer will be employing proprietary intellectual property in Developers’ efforts to deliver the Contract to Customer. In addition, the Parties acknowledge that in connection herewith either Party may disclose or make available to the other Party information about its business affairs, operations, confidential intellectual property, trade secrets, third-party confidential information and other non-public, sensitive or proprietary information (collectively, “Confidential Information”). Any information supplied by either party to the other that the supplying party deems to be Confidential Information subject to non-disclosure under this Paragraph 6, shall be supplied separately from non-confidential information which is not subject to non-disclosure under this Paragraph 6 and clearly labelled as ‘CONFIDENTIAL INFORMATION’. Nothing contained in any final contract to be executed by the Customer after approval by the City Council in an open meeting shall be Confidential Information. The receiving Party shall: (A) protect and safeguard the confidentiality of the other Party’s Confidential Information with at least the same degree of care as the receiving Party would protect its own Confidential Information, but in no event with less than a commercially reasonable degree of care; (B) not use the other Party’s Confidential Information, or permit it to be accessed or used, for any purpose other than to exercise its rights or perform its obligations under this LOI; and (C) not disclose any such Confidential Information to any person or entity, except (i) to its employees, consultants, legal counsel, accountants, City Council members, and other professionals, in each case, who need to know the Confidential Information to assist the receiving Party, or act on its behalf, to exercise its rights or perform its obligations under this LOI, or (ii) as required by governmental authority or court order. The receiving Party will be responsible for any breach of this Section caused by any of the foregoing persons.

7. Indemnification



Developer shall indemnify, defend, and save harmless Customer, its officers, directors, shareholders, agents, representatives and employees against and from any damages, liability or claim thereof (including, but not limited to, actual attorney fees and costs) whether for injury to persons, including death, economic loss or damage to property (i) occurring on or arising out of the use of the Property; and (ii) Developers failure to comply with the terms of this LOI.

Signatures

Fairmont City Library Center ("Customer")
By: Fairmont City Library Center
Date: Apr 24 2026

Signed: _____

ARF Solar (ARF) ("Developer")
By: Kai Luckert
Title: ILSFA Manager
Date: Apr 24 2026

Signed: _____



EXHIBIT A

System Description: 77 x Hyundai Energy Solutions Co., Ltd. 640 Watt Panels (HiC-T640NJ)
1 x S6-GC36K-US (SOLIS)

Address of Site(s): 4444 Collinsville Rd, Fairmont City

Anticipated Point of Interconnection: **at above address**

Anticipated Size of System: 49.280

Anticipated approximate solar kWh: **61311.98**



This proposal has been prepared by ARF Solar LLC using tools from OpenSolar. Please visit www.opensolar.com/proposal-disclaimer for additional disclosures from OpenSolar.

S6-GC(25-60)K-US

Solis Three Phase Grid-Tied Inverters

Efficient

- Max. efficiency 98.8% (CEC efficiency 98.3%)
- String current up to 20A
- 3/4 MPPT design, supports multiple orientation system design
- Nighttime PID recovery function (optional)
- Wide voltage range and low startup voltage

Smart

- Equipped with external power control interface, supporting zero output power control
- Intelligent string monitoring, smart I-V curve scan
- Supports RS485, Ethernet, WiFi, Cellular
- Scan to register on SolisCloud, supports remote upgrade and control

Safe

- Type 4X, C5 Anti-Corrosion Level
- AFCI protection, proactively reduces fire risk
- Intelligent fan-cooling
- Integrated module level rapid shutdown transmitter
- High quality components from globally recognized suppliers
- Integrated DC and AC disconnects

Economic

- > 1.5 DC/AC ratio
- Supports high power modules for lower installation costs
- Separable AC wiring box

Models:

S6-GC25K-US / S6-GC33K-US

S6-GC36K-US / S6-GC40K-US

S6-GC50K-US / S6-GC60K-US

Ordering: S6-GC(25-60)K-US

- APST (APS MLRSD Transmitter)
- RSS (Tigo MLRSD Transmitter)
- NEPT (NEP MLRSD Transmitter)



DATASHEET

S6-GC(25-60)K-US

Models	25K	33K	36K	40K	50K	60K
Input DC						
Max. input voltage				600 V		
Rated voltage				720 V		
Start-up voltage				180 V		
MPPT voltage range				180 - 1000 V		
Max. input current		40 A / 40 A / 40 A				4 × 40 A
Max. short circuit current		63 A / 63 A / 63 A				4 × 63 A
MPPT number / Max. input strings number			3 / 6			4 / 3
Output AC						
Rated output power	25 kW	33 kW	36 kW	40 kW	50 kW	60 kW
Max. apparent output power	25 kVA	33 kVA	36 kVA	40 kVA	50 kVA	60 kVA
Max. output power	25 kW	33 kW	36 kW	40 kW	50 kW	60 kW
Rated grid voltage				3Φ, PE, 480 V		
Rated grid frequency				60 Hz		
Max. output current	50.1 A	59.1 A	43.5 A	48.1 A	50.1 A	72.2 A
Power factor				> 0.99 (0.3 leading - 0.2 lagging)		
THDi				< 3%		
Efficiency						
Max. efficiency				98.8%		
CEC efficiency				98.3%		
Protection						
DC reverse-polarity protection				Yes		
Short circuit protection				Yes		
Output over current protection				Yes		
Surge protection				DC Type II / AC Type II		
Grid monitoring				Yes		
Anti-islanding protection				Yes		
Temperature protection				Yes		
Strings monitoring				Yes		
I/V Curve scanning				Yes		
Multi peak scan				Yes		
Integrated AFCI				Yes		
Integrated PID recovery				Optional		
Integrated DC switch				Yes		
Integrated AC switch				Yes		
General Data						
Dimensions (W × H × D)				30.9 × 21.6 × 12.5 in (784 × 549 × 320 mm)		
Weight	96.3 lbs (43.7 kgs)			105.4 lbs (47.8 kgs)	108.7 lbs (49.3 kgs)	110.5 lbs (50.1 kgs)
Topology				Transformerless		
Self-consumption (night)				< 1 W		
Relative humidity				0 - 100%		
Operating ambient temperature range				-13°F to 140°F (-25°C to 60°C)		
Ingress protection				TYPE 4X		
Noise emission (typical)				< 55 dB(A)		
Cooling concept				Natural cooling		
Max. operation altitude				13,120 ft (4000 m)		
Compliance				UL1741SB, IEEE 1547-2018, UL1699B, UL1996, FCC Part15 ClassB, California Rule 21, Heco Rule 14H, NEC 690.12-2020, CAN/CSA C22.2107.1-1		
Features						
DC connection				MC4 connector		
AC connection				DT terminal (4 AWG to 3/0 AWG)		
Display				LCD		
Communication				Modbus RTU (Siemens compliant), RS485, Optional: Cellular, Wi-Fi		



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Solar Energy System Proposal

Prepared for

Collinsville Memorial Public Library

408 W Main St

Collinsville, IL 62234

Option #1
Rooftop only



Recommended System Option

53.76 kW

System Size

34%

Consumption Offset



Your Solution

Solar Panels

Hyundai Energy Solutions Co., Ltd.

53.8 kW Total Module Power

84 x 640 Watt Panels (HiC-T640NJ)

66,367 kWh per year

Solis Three Phase Grid-Tied Inverters

36 kW of Inverter Power

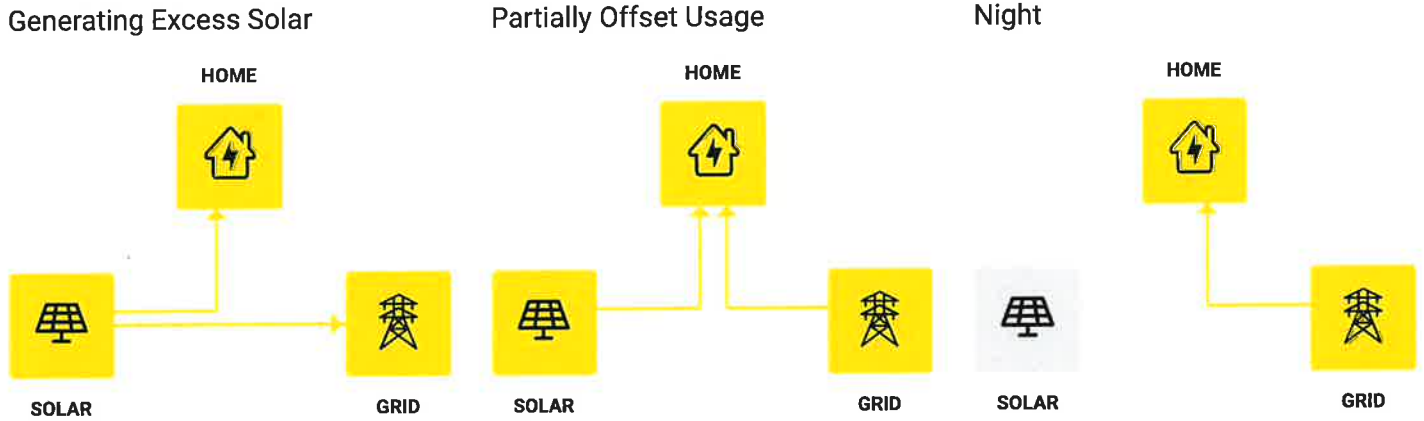
SOLIS

1 x S6-GC36K-US

10 Year Warranty Parts

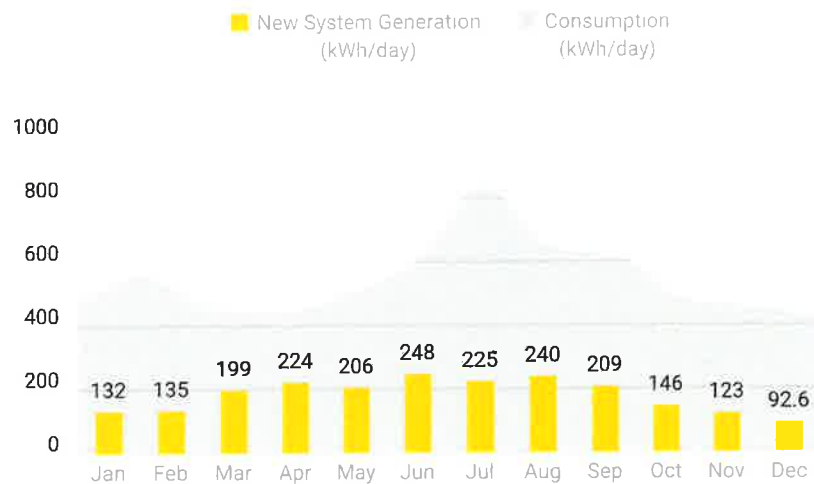


How your system works



System Performance

34%
Energy From Solar



System Performance Assumptions: System Total losses: 23.3%, Inverter losses: 1.8%, Optimizer losses: 0%, Shading losses: 0.7%, Performance Adjustment: 0%, Output Calculator: System Advisor Model 2020.02.29.r2. Panel Orientations: 84 panels with Azimuth 158 and Slope 10.

The solar system(s) quoted in this proposal are not intended to be portable.



Environmental Benefits

Solar has no emissions. It just silently generates pure, clean energy.

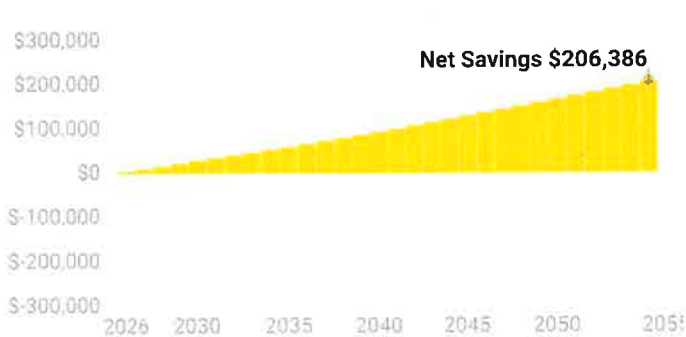


Each Year		Over System Lifetime		
34%	26 ^{tons}	481,030 ^{miles}	4,980	554
Consumption Offset	of CO ₂ reduced per year	Car distance avoided (lifetime)	Trees planted	Long haul flights avoided

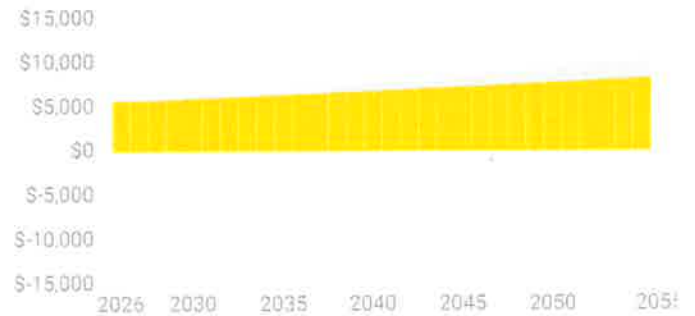
Net Financial Impact Cash

$$\begin{array}{rclcl}
 \$206,258 & - & \$-128 & = & \$206,386 \\
 \text{Utility Bill Savings} & & \text{Net System Cost} & & \text{Estimated Net Savings}
 \end{array}$$

Cumulative Savings From Going Solar



Annual Savings From Going Solar



Estimates do not include replacement costs of equipment not covered by a warranty. Components may need replacement after their warranty period. Financial discount rate assumed: 6.75%



Quotation

Payment Option: Cash

84 x Hyundai Energy Solutions Co., Ltd. 640 Watt Panels (HiC-T640NJ)
 1 x S6-GC36K-US (SOLIS)
 Tilt Racks (84 panels)

Total System Price	\$161,000.00
Purchase Price	\$161,000.00
No Deposit	\$0.00

Additional Incentives

Ameren Smart Inverter Rebate	\$16,128.00
ILSFA SREC	\$100,000.00
Federal Investment Tax Credit (ITC)	\$45,000.00
Total Additional Incentives	\$161,128.00
Net System Cost	\$-128.00

This proposal is valid until May 14 2026

Quote Acceptance

I have read & accept the terms and conditions.

Signature

Name

Date



Exclusive Letter of Intent to Develop Solar Energy Project

This Exclusive Letter of Intent (“**LOI**”), dated Apr 24 2026, is by and among:

- Collinsville Memorial Public Library (“Customer”),
- ARF Solar (“ARF”) , the solar Renewable Energy Credit (REC) Approved Vendor, where ARF is the “Developer”

1. Exclusivity

The Customer intends to to give the Developers a period of 1 year, from the date of execution of this LOI, the sole and exclusive right to conduct discovery and due diligence necessary to determine the feasibility of a System for Customer at the property referenced in Exhibit A (the “Property”), provided, however, that the foregoing exclusivity will not apply and this LOI will expire where (a) Customer believes that Developer is no longer competitive in terms of pricing, quality, or other terms and conditions of service, (b) a force majeure event or other act of God exists, or (c) either interconnection approval from Ameren and acceptance into the Illinois Solar For All Program are not achieved within 120-days of the execution of this LOI.

2. Compliance with Discovery

The Customer will reasonably comply with the Developer to give reasonable access to visit and review the site, assist the Developer by providing necessary building information, and access to the last 12-month history of the electrical utility billings of the Customer, in order for the Developers to determine the project’s feasibility. Such compliance shall be provided by Customer at Developers’ expense and without material interruption to the Customer’s business operations or use of the property.

3. Utility Approvals

Customer intends to to assist and fully cooperate with the Developer in obtaining necessary permits, licenses, and approvals in connection with the installation, operation and maintenance of the System, including the submission of applications for interconnection of the System with the local utility. If the pending interconnection for the System is not signed by the Customer, then all such permits, licenses, and approvals will be terminated by Developer.

4. Development Costs

Developer will bear the cost for the development of this project, aside from any desired batteries.

5. Federal Investment Tax Credit and Solar Renewable Energy Credits (SRECs)

Customer agrees to ARF Solar claiming the Federal Investment Tax Credit and Solar Renewable Energy Credits (SRECs) under the agreement that ARF will procure and install the System at no cost to the Customer, aside from any desired batteries.

6. Confidentiality; No Publicity

Customer acknowledges that Developer will be employing proprietary intellectual property in Developers’ efforts to deliver the Contract to Customer. In addition, the Parties acknowledge that in connection herewith either Party may disclose or make available to the other Party information about its business affairs, operations, confidential intellectual property, trade secrets, third-party confidential information and other non-public, sensitive or proprietary information (collectively, “Confidential Information”). Any information supplied by either party to the other that the supplying party deems to be Confidential Information subject to non-disclosure under this Paragraph 6, shall be supplied separately from non-confidential information which is not subject to non-disclosure under this Paragraph 6 and clearly labelled as 'CONFIDENTIAL INFORMATION'. Nothing contained in any final contract to be executed by the Customer after approval by the City Council in an open meeting shall be Confidential Information. The receiving Party shall: (A) protect and safeguard the confidentiality of the other Party’s Confidential Information with at least the same degree of care as the receiving Party would protect its own Confidential Information, but in no event with less than a commercially reasonable degree of care; (B) not use the other Party’s Confidential Information, or permit it to be accessed or used, for any purpose other than to exercise its rights or perform its obligations under this LOI; and (C) not disclose any such Confidential Information to any person or entity, except (i) to its employees, consultants, legal counsel, accountants, City Council members, and other professionals, in each case, who need to know the Confidential Information to assist the receiving Party, or act on its behalf, to exercise its rights or perform its obligations under this LOI, or (ii) as required by governmental authority or court order. The receiving Party will be responsible for any breach of this Section caused by any of the foregoing persons.

7. Indemnification



Developer shall indemnify, defend, and save harmless Customer, its officers, directors, shareholders, agents, representatives and employees against and from any damages, liability or claim thereof (including, but not limited to, actual attorney fees and costs) whether for injury to persons, including death, economic loss or damage to property (i) occurring on or arising out of the use of the Property; and (ii) Developers failure to comply with the terms of this LOI.

Signatures

Collinsville Memorial Public Library (“Customer”)
By: Collinsville Memorial Public Library
Date: Apr 24 2026

Signed: _____

ARF Solar (ARF) (“Developer”)
By: Kai Luckert
Title: ILSFA Manager
Date: Apr 24 2026

Signed: _____



EXHIBIT A

System Description: 84 x Hyundai Energy Solutions Co., Ltd. 640 Watt Panels (HiC-T640NJ)
1 x S6-GC36K-US (SOLIS)
Tilt Racks (84 panels)

Address of Site(s): 408 W Main St, Collinsville

Anticipated Point of Interconnection: **at above address**

Anticipated Size of System: 53.760

Anticipated approximate solar kWh: **66366.90**



This proposal has been prepared by ARF Solar LLC using tools from OpenSolar. Please visit www.opensolar.com/proposal-disclaimer for additional disclosures from OpenSolar.

S6-GC(25-60)K-US

Solis Three Phase Grid-Tied Inverters

Efficient

- Max. efficiency 98.8% (CEC efficiency 98.3%)
- String current up to 20A
- 3/4 MPPT design, supports multiple orientation system design
- Nighttime PID recovery function (optional)
- Wide voltage range and low startup voltage

Smart

- Equipped with external power control interface, supporting zero output power control
- Intelligent string monitoring, smart I-V curve scan
- Supports RS485, Ethernet, WiFi, Cellular
- Scan to register on SolisCloud, supports remote upgrade and control

Models:

S6-GC25K-US / S6-GC33K-US

S6-GC36K-US / S6-GC40K-US

S6-GC50K-US / S6-GC60K-US

Ordering: S6-GC(25-60)K-US

- APST (APS MLRSD Transmitter)
- RSS (Tigo MLRSD Transmitter)
- NEPT (NEP MLRSD Transmitter)

Safe

- Type 4X, C5 Anti-Corrosion Level
- AFCI protection, proactively reduces fire risk
- Intelligent fan-cooling
- Integrated module level rapid shutdown transmitter
- High quality components from globally recognized suppliers
- Integrated DC and AC disconnects

Economic

- > 1.5 DC/AC ratio
- Supports high power modules for lower installation costs
- Separable AC wiring box



DATASHEET

S6-GC(25-60)K-US

Models	25K	33K	36K	40K	50K	60K
Input DC						
Max. input voltage				1000V		
Rated voltage				720V		
Start-up voltage				180V		
MPPT voltage range				180-1000V		
Max. input current		40A / 40A / 40A				4 × 40A
Max. short-circuit current		53A / 63A / 65A				4 × 63A
MPPT number / Max. input strings number			3 / 6			4 / 8
Output AC						
Rated output power	25 kW	33 kW	36 kW	40 kW	50 kW	60 kW
Max. apparent output power	25 kVA	33 kVA	36 kVA	40 kVA	50 kVA	60 kVA
Max. output power	25 kW	33 kW	36 kW	40 kW	50 kW	60 kW
Rated grid voltage				3Φ/PE, 480V		
Rated grid frequency				60 Hz		
Max. output current	50.1 A	39.7 A	43.3 A	48.1 A	60.1 A	72.2 A
Power factor			> 0.99 (0.8 leading - 0.8 lagging)			
THDi			< 3%			
Efficiency						
Max. efficiency			98.3%			
CEC efficiency			98.3%			
Protection						
DC reverse-polarity protection			Yes			
Short-circuit protection			Yes			
Output over current protection			Yes			
Surge protection			DC Type II / AC Type II			
Grid monitoring			Yes			
Anti-islanding protection			Yes			
Temperature protection			Yes			
Strings monitoring			Yes			
I/V Curve scanning			Yes			
Multi-peak scan			Yes			
Integrated AFCI			Yes			
Integrated PID recovery			Optional			
Integrated DC switch			Yes			
Integrated AC switch			Yes			
General Data						
Dimensions (W × H × D)			30.9 × 21.6 × 12.6 in (784 × 549 × 320 mm)			
Weight	96.3 lbs (43.7 kgs)		105.4 lbs (47.8 kgs)		108.7 lbs (49.3 kgs)	110.5 lbs (50.1 kgs)
Topology			Transformerless			
Self-consumption (night)			< 1 W			
Relative humidity			0 - 100%			
Operating ambient temperature range			-13°F to 140°F (-25°C to 60°C)			
Ingress protection			IP65			
Noise emission (typical)			≤ 55 dB(A)			
Cooling concept			Natural cooling			
Max. operation altitude			13,120 ft (4000 m)			
Compliance			UL1741SB, IEEE 1547-2018, UL1699B, UL1998, FCC Part 15 Class B, California Rule 21, Hesse Rule 14H, NERC 690.12-2020, CAN/CSA C22.2 107.1-1			
Features						
DC connection			MC4 connector			
AC connection			07 terminal (4 AWG to 3/0 AWG)			
Display			LCD			
Communication			Modbus RTU (SunSpec compliant), RS485, Optional: Cellular, Wi-Fi			



Illinois Solar for All

Presented by: Kai Luckert
618-772-5885
kai@arfsolar.net



Solar Energy System Proposal

Prepared for

Collinsville Memorial Public Library

408 W Main St

Collinsville, IL 62234

Option #2
Ground & Rooftop



Recommended System Option

151.04 kW

System Size

101 %

Consumption Offset



Your Solution

Solar Panels

Hyundai Energy Solutions Co., Ltd.
151.0 kW Total Module Power
236 x 640 Watt Panels (HiC-T640NJ)
200,486 kWh per year

Solis Three Phase Grid-Tied Inverters

90 kW of Inverter Power
SOLIS
1 x S5-GC90K-US
10 Year Warranty Parts



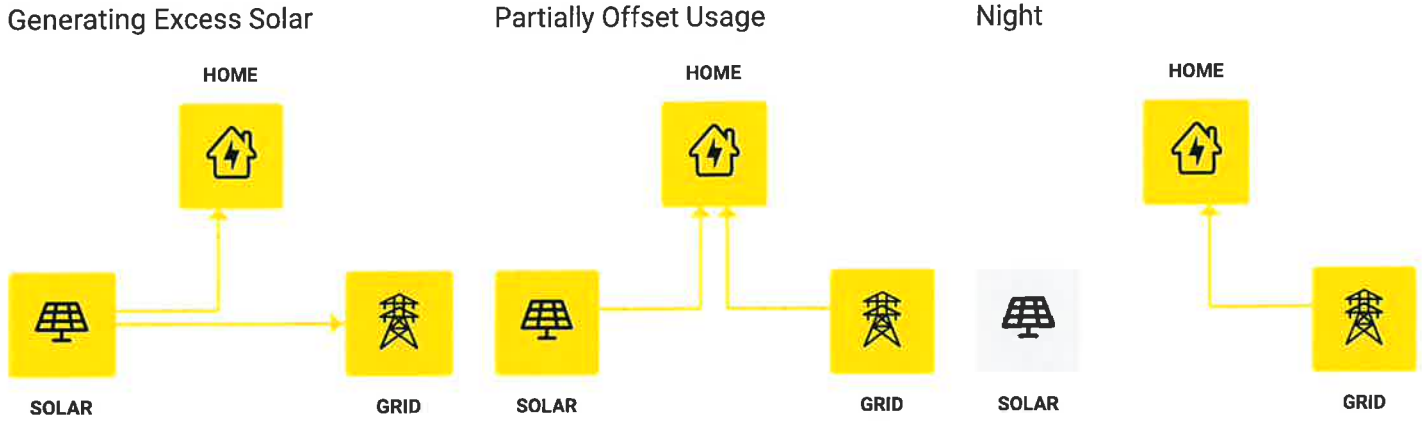
Solis Three Phase Grid-Tied Inverters

36 kW of Inverter Power
SOLIS
1 x S6-GC36K-US
10 Year Warranty Parts



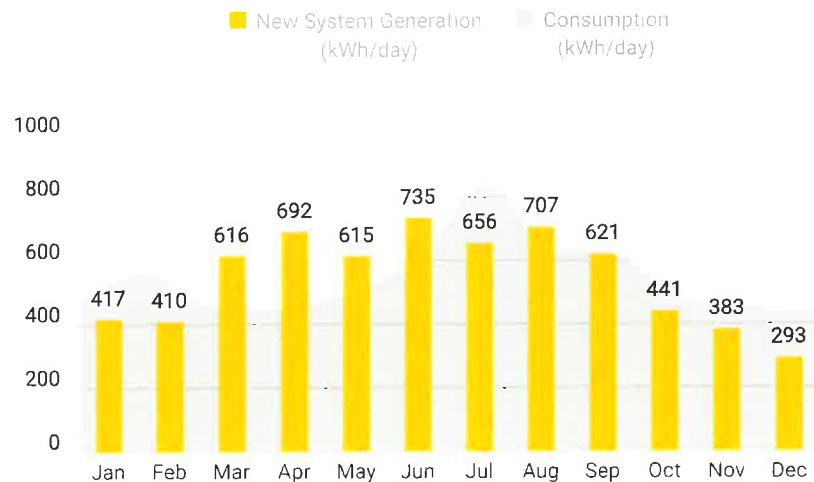


How your system works



System Performance

101%
Energy From Solar



System Performance Assumptions: System Total losses: 21.9%, Inverter losses: 1.8%, Optimizer losses: 0%, Shading losses: 0.4%, Performance Adjustment: 0%. Output Calculator: System Advisor Model 2020.02.29.r2; Panel Orientations: 152 panels with Azimuth 157 and Slope 20, 34 panels with Azimuth 158 and Slope 10

The solar system(s) quoted in this proposal are not intended to be portable.



Environmental Benefits

Solar has no emissions. It just silently generates pure, clean energy.

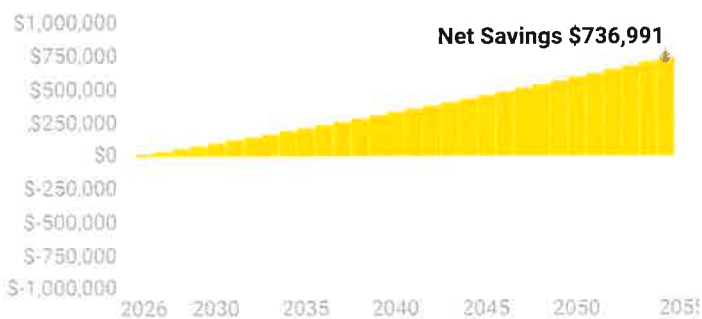


Each Year		Over System Lifetime		
101%	78 ^{tons}	1,453,129 ^{miles}	15,044	1,675
Consumption Offset	of CO ₂ reduced per year	Car distance avoided (lifetime)	Trees planted	Long haul flights avoided

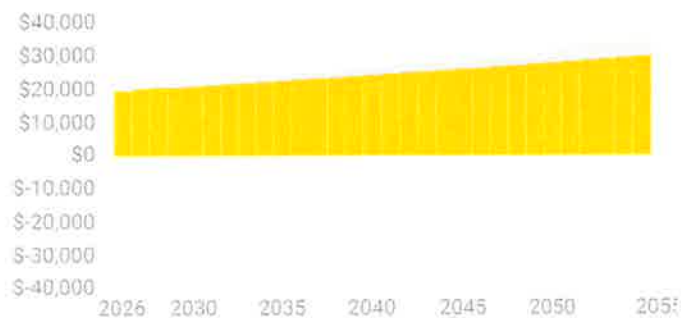
Net Financial Impact Cash

$$\begin{array}{rcccl}
 \$736,679 & - & \$-312 & = & \$736,991 \\
 \text{Utility Bill Savings} & & \text{Net System Cost} & & \text{Estimated Net Savings}
 \end{array}$$

Cumulative Savings From Going Solar



Annual Savings From Going Solar



Estimates do not include replacement costs of equipment not covered by a warranty. Components may need replacement after their warranty period. Financial discount rate assumed: 5.75%



Quotation

Payment Option: Cash

236 x Hyundai Energy Solutions Co., Ltd. 640 Watt Panels (HiC-T640NJ)
1 x S5-GC90K-US, 1 x S6-GC36K-US (SOLIS)
Tilt Racks (236 panels)

Total System Price	\$470,000.00
Purchase Price	\$470,000.00
No Deposit	\$0.00

Additional Incentives

Ameren Smart Inverter Rebate	\$45,312.00
ILSFA SREC	\$300,000.00
Federal Investment Tax Credit (ITC)	\$125,000.00
Total Additional Incentives	\$470,312.00
Net System Cost	\$-312.00

This proposal is valid until May 14 2026

Quote Acceptance

I have read & accept the terms and conditions.

Signature

Name

Date



Exclusive Letter of Intent to Develop Solar Energy Project

This Exclusive Letter of Intent ("**LOI**"), dated Apr 24 2026, is by and among:

- Collinsville Memorial Public Library ("Customer"),
- ARF Solar ("ARF") , the solar Renewable Energy Credit (REC) Approved Vendor, where ARF is the "Developer"

1. Exclusivity

The Customer intends to give the Developers a period of 1 year, from the date of execution of this LOI, the sole and exclusive right to conduct discovery and due diligence necessary to determine the feasibility of a System for Customer at the property referenced in Exhibit A (the "Property"), provided, however, that the foregoing exclusivity will not apply and this LOI will expire where (a) Customer believes that Developer is no longer competitive in terms of pricing, quality, or other terms and conditions of service, (b) a force majeure event or other act of God exists, or (c) either interconnection approval from Ameren and acceptance into the Illinois Solar For All Program are not achieved within 120-days of the execution of this LOI.

2. Compliance with Discovery

The Customer will reasonably comply with the Developer to give reasonable access to visit and review the site, assist the Developer by providing necessary building information, and access to the last 12-month history of the electrical utility billings of the Customer, in order for the Developers to determine the project's feasibility. Such compliance shall be provided by Customer at Developers' expense and without material interruption to the Customer's business operations or use of the property.

3. Utility Approvals

Customer intends to assist and fully cooperate with the Developer in obtaining necessary permits, licenses, and approvals in connection with the installation, operation and maintenance of the System, including the submission of applications for interconnection of the System with the local utility. If the pending interconnection for the System is not signed by the Customer, then all such permits, licenses, and approvals will be terminated by Developer.

4. Development Costs

Developer will bear the cost for the development of this project, aside from any desired batteries.

5. Federal Investment Tax Credit and Solar Renewable Energy Credits (SRECs)

Customer agrees to ARF Solar claiming the Federal Investment Tax Credit and Solar Renewable Energy Credits (SRECs) under the agreement that ARF will procure and install the System at no cost to the Customer, aside from any desired batteries.

6. Confidentiality; No Publicity

Customer acknowledges that Developer will be employing proprietary intellectual property in Developers' efforts to deliver the Contract to Customer. In addition, the Parties acknowledge that in connection herewith either Party may disclose or make available to the other Party information about its business affairs, operations, confidential intellectual property, trade secrets, third-party confidential information and other non-public, sensitive or proprietary information (collectively, "Confidential Information"). Any information supplied by either party to the other that the supplying party deems to be Confidential Information subject to non-disclosure under this Paragraph 6, shall be supplied separately from non-confidential information which is not subject to non-disclosure under this Paragraph 6 and clearly labelled as 'CONFIDENTIAL INFORMATION'. Nothing contained in any final contract to be executed by the Customer after approval by the City Council in an open meeting shall be Confidential Information. The receiving Party shall: (A) protect and safeguard the confidentiality of the other Party's Confidential Information with at least the same degree of care as the receiving Party would protect its own Confidential Information, but in no event with less than a commercially reasonable degree of care; (B) not use the other Party's Confidential Information, or permit it to be accessed or used, for any purpose other than to exercise its rights or perform its obligations under this LOI; and (C) not disclose any such Confidential Information to any person or entity, except (i) to its employees, consultants, legal counsel, accountants, City Council members, and other professionals, in each case, who need to know the Confidential Information to assist the receiving Party, or act on its behalf, to exercise its rights or perform its obligations under this LOI, or (ii) as required by governmental authority or court order. The receiving Party will be responsible for any breach of this Section caused by any of the foregoing persons.

7. Indemnification



Developer shall indemnify, defend, and save harmless Customer, its officers, directors, shareholders, agents, representatives and employees against and from any damages, liability or claim thereof (including, but not limited to, actual attorney fees and costs) whether for injury to persons, including death, economic loss or damage to property (i) occurring on or arising out of the use of the Property; and (ii) Developers failure to comply with the terms of this LOI.

Signatures

Collinsville Memorial Public Library ("*Customer*")
By: Collinsville Memorial Public Library
Date: Apr 24 2026

Signed: _____

ARF Solar (ARF) ("*Developer*")
By: Kai Luckert
Title: ILSFA Manager
Date: Apr 24 2026

Signed: _____



EXHIBIT A

System Description: 236 x Hyundai Energy Solutions Co., Ltd. 640 Watt Panels (HiC-T640NJ)
1 x S5-GC90K-US, 1 x S6-GC36K-US (SOLIS)
Tilt Racks (236 panels)

Address of Site(s): 408 W Main St, Collinsville

Anticipated Point of Interconnection: **at above address**

Anticipated Size of System: 151.040

Anticipated approximate solar kWh: **200485.78**



This proposal has been prepared by ARF Solar LLC using tools from OpenSolar. Please visit www.opensolar.com/proposal-disclaimer for additional disclosures from OpenSolar

S5-GC(75-125)K-US

Solis Three Phase Grid-Tied Inverters

Efficient

- 8/9/10 MPPTs, max. efficiency 98.8% (CEC efficiency 98.3%)
- > 1.5 DC/AC ratio
- String current up to 16A for higher capacity modules

Economic

- DC side supports "Y" connector

Safe

- Type 4X, C5 Anti-Corrosion Level
- External signal control function
- Nighttime PID recovery function
- AFCI protection, proactively reduces fire risk
- High quality components from globally recognized suppliers

Smart

- Intelligent string monitoring, smart I-V curve scan
- Remote firmware upgrade with simple operation

Models:

S5-GC75K-US / S5-GC80K-US

S5-GC90K-US / S5-GC100K-US

S5-GC125K-US

Ordering: S5-GC(75-125)K-US

- APST (APS MLRSD Transmitter)
- RSS (Tigo MLRSD Transmitter)
- NEPT (NEP MLRSD Transmitter)



DATASHEET

S5-GC(75-125)K-US

Models	75K	80K	90K	100K	125K
Input DC					
Max. input voltage			1000 V		
Rated DC voltage		1000 V			750 V
Start-up voltage			195 V		
MPPT voltage range			180 - 1000 V		
Max. input current	8 × 32 A	9 × 32 A		12 × 32 A	
Max. short circuit current	8 × 50 A	9 × 50 A		10 × 50 A	
MPPT Number / Max. input strings number	5 / 16	3 / 18		10 / 20	
Output AC					
Rated output power	75 kW	80 kW	90 kW	100 kW	125 kW
Max. apparent output power	75 kVA	80 kVA	90 kVA	100 kVA	125 kVA
Max. output power	75 kW	80 kW	90 kW	100 kW	125 kW
Rated grid voltage			3Φ/PE, 480 V		
Rated grid frequency			60 Hz		
Max. output current	90,2 A	96,2 A	108,3 A	120,5 A	150,4 A
Power Factor			> 0.99 (0.8 leading - 0.8 lagging)		
THDi			< 3%		
Efficiency					
Max. efficiency		99,7%		98,8%	
CEC efficiency		98,3%		96,2%	
Protection					
DC reverse-polarity protection			Yes		
Surge protection			DC Type II / AC Type II		
Ground fault monitoring			Yes		
Anti-islanding protection			Yes		
Strings monitoring			Yes		
I-V Curve scanning			Yes		
Rapid shutdown			Yes		
Integrated AFCI			Yes		
Integrated PID recovery			Yes		
AC switch			Yes		
General Data					
Dimensions (W × H × D)			41.9 × 22.3 × 13.6 in (1065 × 567 × 344,6 mm)		
Weight			187 lbs (85 kgs)		200 lbs (91 kgs)
Topology			Transformerless		
Self-consumption (night)			< 2 W		
Relative humidity			0 - 100%		
Operating ambient temperature range			-22°F to 140°F (-30°C to 60°C)		
Storage environment			-40°F to 176°F (-40°C to 80°C)		
Ingress protection			TYPE 4X		
Cooling concept			Intelligent fan-cooling		
Max. operation altitude			15,120 ft (4600 m)		
Compliance			UL1741SB, IEEE 1547-2018, UL1699B, UL1998, FCC Part 15 Class B, California Rule 21, Epcor Rule 14H, NEC 690.12-2020, CAN/CSA C22.2 107.1-1		
Features					
DC connection			MC4 connector		
AC connection			CT Terminal (max. 250 MCNE)		
Display			LCD		
Communication			RS485 / Optional Wi-Fi / Cellular		

S6-GC(25-60)K-US

Solis Three Phase Grid-Tied Inverters

Efficient

- Max. efficiency 98.8% (CEC efficiency 98.3%)
- String current up to 20A
- 3/4 MPPT design, supports multiple orientation system design
- Nighttime PID recovery function (optional)
- Wide voltage range and low startup voltage

Smart

- Equipped with external power control interface, supporting zero output power control
- Intelligent string monitoring, smart I-V curve scan
- Supports RS485, Ethernet, WiFi, Cellular
- Scan to register on SolisCloud, supports remote upgrade and control

Models:

S6-GC25K-US / S6-GC33K-US

S6-GC36K-US / S6-GC40K-US

S6-GC50K-US / S6-GC60K-US

Ordering: S6-GC(25-60)K-US

- APST (APS MLRSD Transmitter)
- RSS (Tigo MLRSD Transmitter)
- NEPT (NEP MLRSD Transmitter)

Safe

- Type 4X, C5 Anti-Corrosion Level
- AFCI protection, proactively reduces fire risk
- Intelligent fan-cooling
- Integrated module level rapid shutdown transmitter
- High quality components from globally recognized suppliers
- Integrated DC and AC disconnects

Economic

- > 1.5 DC/AC ratio
- Supports high power modules for lower installation costs
- Separable AC wiring box



DATASHEET

S6-GC(25-60)K-US

Models	25K	33K	36K	40K	50K	60K
Input DC						
Max. input voltage				1000V		
Rated voltage				720V		
Start-up voltage				560V		
MPPT voltage range				180-1000V		
Max. input current		40A / 40A / 40A				4 × 40A
Max. short circuit current		53A / 53A / 53A				4 × 53A
MPPT number / Max. input strings number		5 / 6				4 / 8
Output AC						
Rated output power ¹	25 kW	33 kW	36 kW	40 kW	50 kW	60 kW
Max. apparent output power	25 kVA	33 kVA	36 kVA	40 kVA	50 kVA	60 kVA
Max. output power	25 kW	33 kW	36 kW	40 kW	50 kW	60 kW
Rated grid voltage				3Φ/FE, 480V		
Rated grid frequency				60 Hz		
Max. output current	50.1 A	39.7 A	43.3 A	48.1 A	60.3 A	72.2 A
Power factor				> 0.99 (0.8 leading - 0.8 lagging)		
THDi				< 3%		
Efficiency						
Max. efficiency				98.3%		
CEC efficiency				98.3%		
Protection						
DC reverse-polarity protection				Yes		
Short circuit protection				Yes		
Output over current protection				Yes		
Surge protection				DC Type II / AC Type II		
Grid monitoring				Yes		
Anti-islanding protection				Yes		
Temperature protection				Yes		
Strings monitoring				Yes		
I/V Curve scanning				Yes		
Multi-peak scan				Yes		
Integrated AFCI				Yes		
Integrated PID recovery				Optional		
Integrated DC switch				Yes		
Integrated AC switch				Yes		
General Data						
Dimensions (W × H × D)				30.9 × 21.6 × 12.6 in (784 × 549 × 320 mm)		
Weight	96.3 lbs (43.7 kgs)		105.4 lbs (47.8 kgs)		108.7 lbs (49.3 kgs)	110.5 lbs (50.1 kgs)
Topology				Transformerless		
Self-consumption (night)				< 1 W		
Relative humidity				0 - 100%		
Operating ambient temperature range				-13°F to 140°F (-25°C to 60°C)		
Ingress protection				TYPE 4X		
Noise emission (typical)				≤ 55 dBA(A)		
Cooling concept				Natural cooling		
Max. operation altitude				13,120 ft (4000 m)		
Compliance				UL1741SB, IEEE 1547-2018, UL1699B, UL1998, FCC Part 15 Class B, California Rule 21, Heco Rule 14H, NEC 690.12-2020, CAN/CSA C22.2 107.1-1		
Features						
DC connection				MC4 connector		
AC connection				0.75 terminal (4 AWG to 3/0 AWG)		
Display				LCD		
Communication				Modbus RTU (Sunspec compliant), RS485, Optional: Cellular, Wi-Fi		

PAN FOUNTAIN COSTS

Option #1 - Replace Pump

- Seal off existing jet lines - currently sealed with removable plugs; can be permanently sealed if this option works as anticipated
- Replace existing pump, which has a cracked housing and is seized up ~ \$2,000 for pump (not a submersible pump) plus installation fees
- Landscaping costs ~ \$1,000 for plants

Option #2 - Convert to Green Space

- Remove and cap off existing plumbing (cost of plumber & electrician)
- Remove existing concrete fountain basin
- Fill hole ~ \$40/yard for fill dirt
- Landscaping costs ~ \$1,200 for plants

For all options:

- CAVC Landscaping Management class can remove existing plants and plant new ones. No labor costs involved, just cost of supplies.
- The Brenda Likens Revocable Living Trust fund has \$7,269.89 earmarked for Pan fountain maintenance. This can be applied to whichever option is chosen.
- The Collinsville Memorial Library Foundation has limited funds earmarked for the Pan fountain, upon request and the Foundation's approval.