

B

Type

X

Plans

BLD09-2497

Permit Number

489

Street Number

Bohemian Hwy

Street Number

TW1

Community Code

073-130-035

APN

COUNTY OF SONOMA
PERMIT AND RESOURCE MANAGEMENT DEPARTMENT

2550 VENTURA AVENUE, SANTA ROSA, CA 95403-2829
(707) 565-1900 FAX (707) 565-1103

Building Permit Invoice: BLD09-2497

Project Address: 489 BOHEMIAN HWY TWI
Cross Street: HWY 12

APN: 073-130-035
Description: COM- ROOF MOUNT PHOTOVOLTAIC SYSTEM
Res/Com: C
Std/Quick: Q
Fire District: GOLD RIDGE FIRE

Printed: June 29, 2009
Initialized by: RDELACR1
Activity Type: B-BLD 801
Insp Area: 08
Site Review File #: 0
Site Review Fees Paid: \$0.00

Owner: C S FUND
469 BOHEMIAN HWY
FREESTONE CA 95472-9579
707-874-2942

Applicant: NORTH BAY SOLAR ELEC AKA KELSEYVILLE SOLAR
PO BOX314
DILLON BEACH CA 94929
707 878 2008

Valuation:

Occupancy	Type	Factor	Sq Feet	Valuation
	Totals...			\$0.00*

		Fees:			
Item#	Description	Account Code	Tot Fee	Prev. Pmts	Cur. Pmts
52	CA BLDG STANDARDS SB1473	327031-4040	1.00	1.00	.00
60	BLDG PERM PLAN CHECK FEE	025015-1341	133.00	133.00	.00
122	ELECTRICAL FEE	025015-1341	258.00	258.00	.00
140	TECH ENHANCE FEE	025015-4040	2.24	2.24	.00
1165	ZONING PERMITS W/O D.R.	025015-3829	91.00	91.00	.00
			\$485.24	\$485.24	

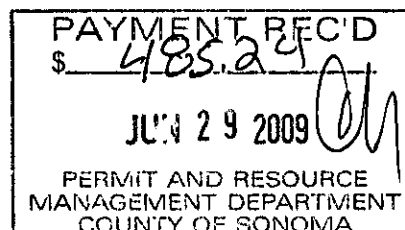
Total Fees: \$485.24

Total Paid: \$485.24

Balance Due: \$0.00

"Refunds of fees paid may be made pursuant to Section 108.6 of Appendix 1 of the California Building Code and adopted model codes, subject to the following: 1) 100% of a fee erroneously paid or collected. 2) 90% of the plan review fee when an application for a permit is withdrawn or canceled or expires or becomes void before any plan review effort has been expended. No portion of the plan review fee shall be refunded when any plan review effort has been expended. 3) 90% of the building, plumbing, electrical, and/or mechanical fee may be refunded when a permit is withdrawn, or cancelled or expires or becomes void before any work was done and before any inspections are performed. No portion of these fees shall be refunded when any work was done and/or any inspections have been performed. 4) Application for refund must be made within one year of the date the fee is paid."

When validated below, this is your receipt.
This Building Permit shall EXPIRE 06/28/2012



COUNTY OF SONOMA - PERMIT AND RESOURCE MANAGEMENT DEPARTMENT

2550 Ventura Avenue, Santa Rosa, CA 95403 (707) 565-1900 FAX (707) 565-1103

Please Print
Your Name:

North Bay Solar Electric

Date

Applied: 6-29-09

INFORMATION WITHIN HEAVY LINE TO BE COMPLETED BY APPLICANT

SITE LOCATION INFORMATION - PRINT CLEARLY

Site Address: 489 Bohemian Hwy.	City: Freestone	ZIP: 95422
Cross-Street: Hwy 12	APN: 73-130-35	Project Phone #: (707) 321-3611
Directions: Hwy 12 west, Bohemian Hwy	Project Fax #: (707) 878-2499	
Describe Project: Roof (Flush) mounted solar electric w/o batteries. office	Subd. Name	Unit #
	Living Area	Contract Price: 5,102.00
	Garage	
	Decks	

OWNER NAME AND ADDRESS

Name: CS Ford / Roxanne Turnage
Mailing Address: 469 Bohemian Hwy
City: Freestone
State: CA.
ZIP: 95422
Day Ph: (707) 878-2942
Fax: ()

CONTRACT NAME AND ADDRESS

Name: North Bay Solar Electric
Mailing Address: P.O. Box 314
City: Dillon Beach
State: CA.
ZIP: 94929
Day Ph: (707) 878-2008
Fax: (707) 878-2499

CONTRACTOR INFORMATION

Company Name: North Bay Solar Electric
Address: P.O. Box 314
City: Dillon Beach
State: CA.
ZIP: 94929
Day Ph: (707) 878-2008
Fax: (707) 878-2499

OTHER PERSONS (ARCHITECT, ENGINEER, ETC.)

Name:
Address:
City:
State:
ZIP:
Day Ph: ()
Fax: ()
License No:
Exp. Date:

WORKER'S COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:
☐ I have and will maintain a certificate of consent to self-insure for worker's compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☒ I have and will maintain worker's compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My worker's compensation insurance carrier and policy number are:

Carrier: Endurance Workers Comp Ins.
 Policy: WEN 000472902

(This section need not be completed if the permit is for one hundred dollars (\$100) or less).
☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the worker's compensation laws of California, and agree that if I should become subject to the worker's compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Exp. Date: 9/09 Applicant: John A. Turner

WARNING: FAILURE TO SECURE WORKER'S COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS (\$100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3708 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars (\$500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044 Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).

☐ I am exempt under Sec. B & P.C. for this reason:

Date: _____ Owner: _____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

Lic. Class: C10 Lic. No.: 522296

Exp. Date: 1/10 Contractor: John A. Turner

ASBESTOS DECLARATION

Written asbestos notification pursuant to Part 61 of Title 40 of the Code of Federal Regulations is required when asbestos exists in buildings, or portions thereof, undergoing demolition. I hereby declare that demolition authorized by this permit is from construction that () does () does not contain asbestos, or that no demolition is authorized by this permit.

I certify that I have read this application and affirm under penalty of perjury that the above information is correct. I agree to comply with all local Ordinances and State laws relating to building construction. I hereby authorize representatives of the County of Sonoma to enter upon the above-mentioned property for inspection purposes. If, after making the Certificate of Exemption for the Worker's Compensation provision of the Labor Code I should become subject to such provisions, I will forthwith comply. In the event I do not comply with the Workman's Compensation law, this permit shall be deemed revoked.

PERMITTEE SIGNATURE: John A. Turner
 ADDRESS: P.O. Box 314, Dillon Beach, 94929
 CITY: _____ ZIP: _____

☒ Contractor ☐ Owner ☐ Other Licensed Professional

Final Date: _____ Inspector: _____

THIS PERMIT SHALL EXPIRE IN THREE(3) YEARS FROM DATE FEES ARE PAID UNLESS OTHERWISE NOTED BY CODE ENFORCEMENT

CONSTRUCTION LENDING DECLARATION

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civ. C.)

Lenders Name: _____

Lenders Address: _____

FOR DEPARTMENT USE

Zoning: PCRRB5 HP SD File No. _____ Acres: 5.31

Existing Use/Structures: Office

Proposed Use/Structures: _____

Zoning Min. Yard Requirements: Front: 10' Right: 10' Back: 10'

NOTE: Fire Safe Standards require all parcels greater than 1 Acre to have a min. 30' setback unless mitigated. ☐ Mitigation Required ☐ Address subject to change

Approval for Permit Issuance: _____ Approval for Occupancy: _____

By: _____ Date: 6/29/09

By: _____ Date: 6/29/09

Conditions: _____

HD Landmark - OK with PV array

Landmark Comm

Sewer Connection: ☐ Available ☐ Fees Paid

Approved by: _____ Date: _____

Road Encroachment: ☐ Fees Paid

Approved by: _____ Date: _____

Septic System Permit/Clearance # _____

Approved by: _____ Date: _____

Flood Zone: ☐ Yes ☒ No 100 Year Flood Elevation: _____

Site Review: _____

Drainage Review: _____

Approved by: _____ Date: _____

Fire: _____

Approved by: _____ Date: _____

Code Enforcement Violation ☐ Yes ☒ No Violation # _____

This permit is limited to _____ days.

Work Authorized: 27 roof mounted solar

Distribution: White - File Canary - Applicant Pink - Audit Copy Blue - Assessor Cardstock - Inspector

JOB ADDRESS:

489 Bohemian Hwy, Freestone

TW1

PERMIT NUMBER:

BL009-2497

INSPECTION AREA:

8

<input checked="" type="checkbox"/> Plans Approved	<input type="checkbox"/> Post FIRM	<input type="checkbox"/> Alquist Prolo Report Available
<input type="checkbox"/> No Plans Subject to Field Inspection	<input type="checkbox"/> Pre FIRM	<input type="checkbox"/> Geotechnical report Available
Plancheck Cleared By: _____ Date: 6/29/09	Type of Construction: VB	Occupancy: RSH
Permit Cleared for Assistance By: _____ Date: 6/29/09	Auto. Fire Sprinklers Req'd: _____	No. of Stories: _____
	No. of Units: _____	Certificate of Occupancy: _____

PAYMENT REC'D
Mach. Fee: 485.84
JUN 29 2009
PERMIT AND RESOURCE MANAGEMENT DEPARTMENT
COUNTY OF SONOMA

131) <input checked="" type="checkbox"/> SPECIAL INSPECTION REQUIRED		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		IF YES, SEE ADDITIONAL SHEET	
INSPECTION RECORD		DATE	NAME	REMARKS	
101)	ROUGH GRADING				
103)	FOUNDATION				
	FORMS/SETBACK				
	FOOTING				
	WALLS				
106)	UFER GROUND #				
104)	CAISSONS/PIERS				
105)	SLAB				
107)	UNDERGROUND UTILITIES				
110)	MASONRY				
109)	RETAINING WALLS				
113)	FIREPLACE				
	FOOTING				
	HEARTH/PROTECTION				
	THROAT				
114)	CHIMNEY				
120)	UNDERFLOOR/UNDERSLAB				
115)	HYDRONICS				
116)	U/F ELECTRICAL				
117)	U/F MECHANICAL				
118)	U/F PLUMBING				
119)	U/F FRAMING				
139)	U/F INSULATION				
126)	SHEAR WALLS				
	<input type="checkbox"/> INTERIOR		<input type="checkbox"/> EXTERIOR		
127)	DIAPHRAGMS				
	<input type="checkbox"/> ROOF		<input type="checkbox"/> FLOOR		
134)	SIDING/SHEATHING				
125)	HOLD DOWNS				
132)	CLOSE-IN				
122)	ROUGH ELECTRICAL				
123)	ROUGH MECHANICAL				
124)	ROUGH PLUMBING				
128)	ROUGH FRAME				
160)	SMOKE DETECTORS				
139)	INSULATION				
142)	WALLBOARD				
143)	FIREWALLS				
135)	STUCCO/PLASTER				
	<input type="checkbox"/> LATH		<input type="checkbox"/> SCRATCH		
137)	ROOFING				
130)	TUB/SHOWER PAN				
162)	FIRE DAMPERS/DOORS				
164)	SUSPENDED CEILING				
	<input type="checkbox"/> ROUGH ELEC.		<input type="checkbox"/> ROUGH MECH.		
165)	EXITING - RAMPS/STAIRS				
163)	HANDRAILS/GUARDRAILS				
	CORRIDORS/DOORS				
166)	ACCESSIBILITY COMPLIANCE				
144)	WATER TANKS				
	<input type="checkbox"/> SLAB		<input type="checkbox"/> WALLS		
170)	TEMPORARY OCCUPANCY				
171)	TEMPORARY ELECTRICAL				
172)	TEMPORARY GAS				
174)	ELECTRIC METER AUTHORIZATION				
152)	PANEL BOARDS/SERVICE				
189)	SEPTIC ELECTRIC FINAL				
175)	GAS METER AUTHORIZATION				
153)	GAS PRESSURE TEST				
	HOUSE		YARD		
190)	MANUF. HOME FOUNDATION				
191)	MANUF. HOME INSTALLATION				
	CONTINUITY				
	STAIRS/SKIRTS				
	RIDGE BOLTING				
193)	MANUF. HOME COND. FINAL				
	SWIMMING POOLS				
194)	PRE-GUNITE				
195)	PRE-DECK				
196)	PRE-PLASTER/FENCE				
197)	VINYL/FIBERGLASS POOL EXCAVATION				
102)	GRADING FINAL				
176)	ELECTRICAL FINAL	7-6-09	R.P. By		
177)	MECHANICAL FINAL				
178)	PLUMBING FINAL				
199)	FINAL	7-6-09	R.P. By		
OCCUPANCY (OK TO OCCUPY)				PLAN RETENTION REQUIRED?	
				<input type="checkbox"/> Yes <input type="checkbox"/> No	

650)	SUSMP INSPECTION
651)	NPDES EROSION COMPLIANCE
652)	NPDES SEDIMENT COMPLIANCE
653)	NPDES DOCS/SWPPP
FIRE INSPECTION REQUIRED	
<input type="checkbox"/> Yes <input type="checkbox"/> No	
759)	KNOX BOX
760)	PROPANE TANK HOLD DOWNS
770)	SPRINKLER FINAL
771)	ABOVEGROUND HYDROSTATIC
772)	UNDERGROUND HYDROSTATIC
773)	UNDERGROUND FLUSH
774)	THRUST BLOCKS
775)	PIPE WELD
776)	HYDRANTS/APPLIANCES
777)	PUMP ACCEPTANCE
778)	WATER SUPPLY/TANK
779)	ALARM SYSTEM
780)	HOOD & DUCT SYSTEM
781)	ABOVEGROUND TANK/DISPENSER
198)	FIRE FINAL

CLEARANCES:	
FIRE	<input type="checkbox"/> Local <input type="checkbox"/> County
HEALTH DEPARTMENT	
ZONING	
SANITATION	

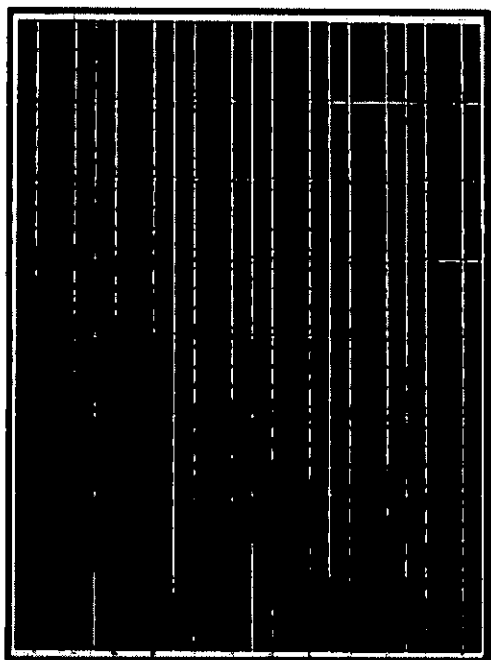
PERMIT # BLD09-2497

SHARP®

solar electricity

176 WATT

OnEnergy™
SYSTEM MODULE



ND-176U1Y

RESIDENTIAL 176 WATT
MODULE FROM THE WORLD'S
TRUSTED SOURCE FOR SOLAR.

This high-quality residential solar module is designed and engineered for use with the Sharp OnEnergy solar system. Sharp's OnEnergy system replaces the bulky look of traditional solar roof mounts with a clean, elegant appearance that blends beautifully with rooflines. Using breakthrough technology, made possible by nearly 50 years of proprietary research and development, this module incorporates an advanced surface texturing process to increase light absorption and improve efficiency.

ENGINEERING EXCELLENCE

Designed and engineered for use with Sharp's OnEnergy solar racking system, this module is the perfect combination of technology and design.

ADVANCED AESTHETICS

Black frame module, and associated racking with hidden hardware and tapered covers, delivers a clean, elegant appearance that blends beautifully with your home's roofline.

DURABLE

Tempered glass, EVA lamination and weatherproof backskin provide long-life and enhanced cell performance.

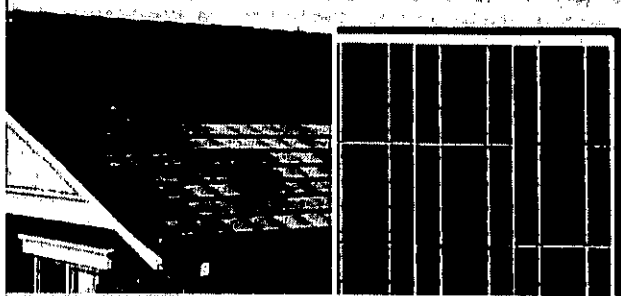
RELIABLE

25-year limited warranty on power output.

HIGH PERFORMANCE

This module uses an advanced surface texturing process to increase light absorption and improve efficiency.

PERMIT AND RESOURCE
MANAGEMENT DEPARTMENT
ONENERGY
solar system by Sharp



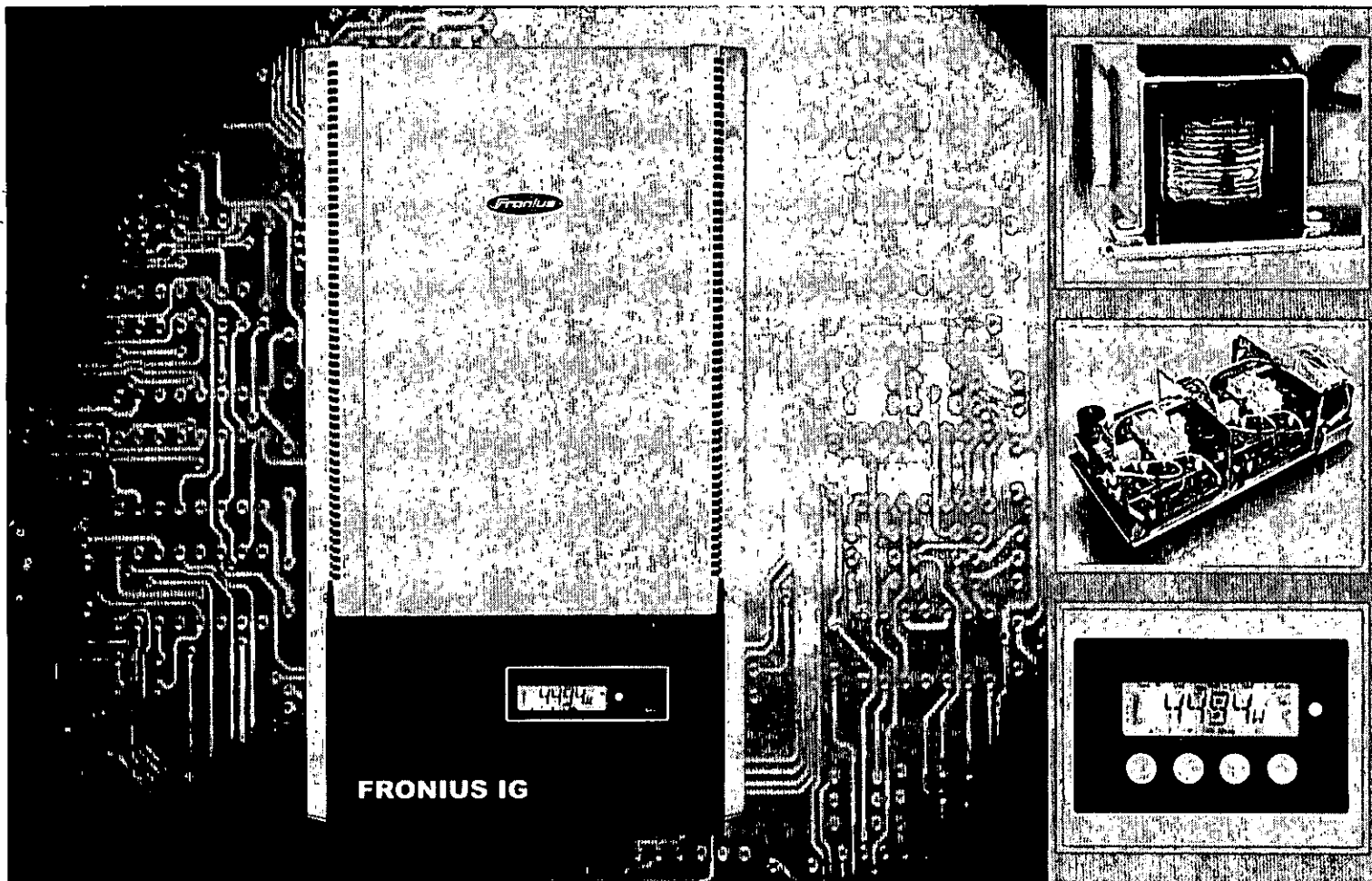
Black frame and low profile racking complement roofline.

Laminated glass construction in a high torsion frame.

SHARP: THE NAME TO TRUST

When you choose Sharp, you get more than well-engineered products. You also get Sharp's proven reliability, outstanding customer service and the assurance of our 25-year limited warranty. A global leader in solar electricity, Sharp powers more homes and businesses than any other solar manufacturer worldwide.

BECOME POWERFUL



FRONIUS IG

GRID-TIED INVERTERS FOR PHOTOVOLTAIC SYSTEMS

Light Weight

At 42 lbs, the FRONIUS IG inverters are the lightest grid-connected inverters making them both easy and cost-effective to install.

More Energy

MIX™ Concept allows your system to output more energy under part-load conditions.

Lower Cost

Integrated UL approved DC & AC disconnects which reduce installation time and complexity - often eliminating the need for additional disconnects.

LCD Display

User-friendly and comes standard with every FRONIUS IG; tracks more than 20 critical system performance parameters.

Powerful

At 4000, 4500 and 5100 watts, these inverters deliver more power output for higher performance installations.

Reliable

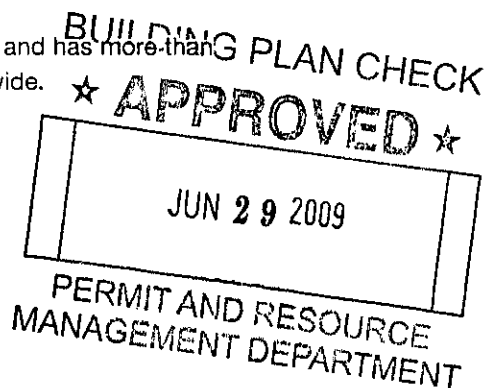
Fronius has been in business for over 60 years and has more than 200,000 FRONIUS IG inverters installed worldwide.

Warranty

10 year Premium Warranty.



POWERING YOUR FUTURE



FRONIUS IG

FRONIUS IG 4000 / 5100 / 4500-LV - Specifications

DC Input Data	FRONIUS IG 4000	FRONIUS IG 5100	FRONIUS IG 4500-LV
Recommended PV power	3000 – 5000 Wp	4000 – 6300 Wp	3600 – 5500 Wp
Max. DC input voltage	500 V	500 V	500 V
Operating DC voltage range	150 – 450 V	150 – 450 V	150 – 450 V
Max. usable DC input current	26.1 A	33.2 A	29.3 A
AC Output Data	FRONIUS IG 4000	FRONIUS IG 5100	FRONIUS IG 4500-LV
Maximum output power @40° C	4000 W	5100 W	4500 W
Nominal AC output voltage	240 V		208 V
Utility AC voltage range	212 – 264 V (240 V +10% / -12%)		183 – 227 V
Maximum AC current	16.7 A	21.3 A	21.6 A
Maximum utility back feed current	0.0 A	0.0 A	0.0 A
Operating frequency range	59.3 – 60.5 Hz (60 Hz nom)		
Total harmonic distortion	< 5 %		
Power Factor (cos phi)	1		
General Data	FRONIUS IG 4000	FRONIUS IG 5100	FRONIUS IG 4500-LV
Max. efficiency	95.2 %	95.2 %	94.4 %
Consumption in stand-by	< 0.15 W (night)		
Consumption during operation	15 W		
Enclosure	NEMA 3R		
Size (l x w x h)	28.4 x 16.5 x 8.8 in (720 x 418 x 223 mm)		
Weight	42 lbs. (19 kg)		
Ambient temperature range	-5 to 122 °F (-20 to +50 °C)		
Cooling	controlled forced ventilation		
Integrated DC and AC disconnects	standard UL approved DC & AC disconnects		
Protections			
Ground fault protection	Internal GFDI, in accordance with UL 1741		
DC reverse polarity protection	Internal diode		
Islanding protection	Internal, in accordance with UL 1741, IEEE 1547		
Over temperature	Output power derating		
Surge Protection	Internal DC & AC protection, Tested to 6 kV		
Compliance			
Safety	UL 1741		
EMI	FCC Part 15; Class A & B		
Anti-Islanding protection	UL 1741, IEEE 1547		
Ground fault detector and interrupter	Compliant with NEC Art. 690 requirements, UL 1741		
Miscellaneous			
Maximum AC over current protection	Two-pole, 30 A circuit breaker		
AC wire sizing	Use maximum AWG 6 194°F (90 °C) copper wire		
DC wire sizing	Use maximum AWG 6 194°F (90 °C) copper wire		
AC disconnect	32 A		
DC disconnect	40 A		
Warranty	10 year Premium Warranty is Standard		

Distributed by



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www.fronius-usa.com