

Environmental Impact Assessment

Lapwing Fen

EIA Screening Opinion/Pre-Planning Application

Land at:

Swaffham Prior,

Burwell, Reach, Cambridgeshire,

CB25 OJZ

Proposal:

Installation of 45MW Solar Park:

Solar panels, plant, security fencing, landscaping and other associated

works.

Dated:

22nd Dec 2013

Oakes Environmental

Tel: 07810374103

Email: info@oakesenvironmental.com

www.oakesenvironmental.com





Planning
East Cambridgeshire District Council
Planning Services
The Grange
Nutholt Lane
ELY,
Cambs
CB7 4EE

24 December 2013

Dear Sirs

Lapwing Fen Solar Park: Construction Of Solar Park To Include The Installation Of Solar Panels, With End Of Array Inverters, Security Fencing, Landscaping And Other Associated Works.

Please find enclosed cheque to the value of £960 in support of previously submitted pre-application paperwork from Oakes Environmental. We look forward to hearing your consideration of the potential planning challenges presented by our proposed development at Lapwing Fen: Land near Reach, TL 55905 66400.

We are seeking a pre application consultation meeting and a judgement on an Environmental Screening Opinion for this site.

Regards

Chris Poulton Solar Associates

t: +44 1223 208333 m: +44 7971 594037 EAST CAMBS DISTRICT COUNCIL

3 D DEC 2013

REF:



East Cambridgeshire District Council Planning Services The Grange Nutholt Lane ELY, Cambs CB7 4EE

Dear Sirs.

TOWN AND COUNTRY PLANNING (ENVIRONMENTAL IMPACT ASSESSMENT) (ENGLAND AND WALES) REGULATIONS 2011: REGULATION 5(1)

1. REQUEST FOR EIA SCREENING OPINION

CONSTRUCTION OF A SOLAR PARK TO INCLUDE THE INSTALLATION OF SOLAR PANELS TO GENERATE UP TO 45MW OF ELECTRICITY, WITH END OF ARRAY INVERTERS, SECURITY FENCING, LANDSCAPING AND OTHER ASSOCIATED WORKS.

- 1.1 I write on behalf of my client, Solar Associates to request a Screening Opinion to confirm that an EIA is not required in relation to the proposed planning application and additionally obtain some Pre-Planning Application advice.
- 1.2 We enclose a plan showing the location of the areas for development; its OS Grid Reference is TL 55905 66400, (X 555905: Y 266400). The land is presented in three separate compartments, with ownership divided between the National Trust, and farmers Percy Watts & Sons, John Robinson. This land is agricultural land, access to the land is to be determined as part of the planning iterative process and with consultation with the landowners.
- 1.3 The site is situated on agricultural land and consists of three compartments of land. Its immediate environs are agricultural, with land to the north consisting of rough pasture from dry to wet grassland and protected fenland at 2km; the residential settlements of Burwell and Reach are located to the east of the site. The landscape is distinctly open in its characteristics with hedgerow, drainage ditches and field networks predominant. It is anticipated that the Solar Park will generate sufficient energy to supply 10,127 homes; a significant contribution to local power generation and carbon dioxide reduction.



2. Development Proposal

- 2.1 The application site occupies 104ha, with the total amount of land to be covered in PV panels representing 30%.
- 2.2 Planning permission is sought for a total of 13,000 panels with a generating capacity of approximately 45MW fixed on to metal arrays, with 1000 enclosed inverters. The construction of the site is such that there will be no requirement for any hardstandings. The frames supporting the panels will be secured into the ground. Ground investigations have yet to establish the requirement for concrete foundations. However, it is proposed that each frame will be kept stable by piling.
- 2.3 Trina utility panels are to be used as the preferred make and model. The panels are 77 × 39.05 × 1.57 inches and weigh 27.6kg. Each panel is made of 72, multicrystalline solar cells making them more efficient than the majority of other panels on the market. The fronts of the panels are covered with high transparency solar glass some 0.16 inches thick, enabling them to withstand snow loads of up to 5400Pa and wind loads up to 2400Pa. The product is manufactured according to international Quality and Environment Management System Standards ISO9001, ISO14001.
- 2.4 Panels will be raised to a maximum of 2.4m above the ground. There will be small inverters interspersed across the site; these are manufactured to be sound proofed to inhibit any noise production during operation.
- 2.5 The panels will be tilted towards the South with an angle of approximately 30 degrees. It is intended that the park will be connected to the electricity grid via the high voltage lines crossing the site onto the existing pylon. The site will serve the dual purpose of both a solar park for power generation directly into the national grid and a wildlife area. A similar ecological project of this type has been successfully undertaken by Solar Associates in Cambridgeshire.
- 2.6 The low profile in the landscape and indigenous additional visual screening will seek to ensure that the scale of the development will be in keeping with the surrounding landscape. Site security is to be achieved by creating a complete enclosure with a maximum height of 2.5m. This includes climb over protection with wire and a video surveillance system. The fence will be sympathetically coloured to blend with the landscape.
- 2.7 The lifespan of the proposed installation is estimated to be 30 35 years. Operation and maintenance agreements with the supplier will seek to ensure inverters parts will be replaced if necessary. All other components such as panels, substructure, cables, buildings etc. are durable for a long period of time. After decommissioning the installation can be removed. The majority of



- 3.1 The NPPF's core aims include support for the transition to a low carbon future in a changing climate, encouraging the reuse of existing resources and promoting the use of renewable resources through development of renewable energy that makes a positive contribution to conserving and enhancing the natural environment. Paragraph 28 states that planning policies should support economic growth in rural areas in order to create jobs and prosperity by taking a positive approach to sustainable new development. It continues that LPAs should promote such development and diversification of agricultural and other land-based rural businesses.
- 3.2 Paragraph's 93 98 are most relevant to the proposed development. Within these paragraphs the NPPF aims to support and help shape places to secure radical reductions in greenhouse gas emissions, minimise vulnerability and provide resilience to the impacts of climate change by supporting the delivery of renewable and low carbon energy and associated infrastructure.

4. Environmental Effects

The overriding principle applied by planning authorities when determining planning applications is that each case must be determined on its "individual merits", and that there is a presumption in favour of development, although other 'material considerations' may shape such determinations. The design of Lapwing Fen Solar Park will seek to identify and quantify these impacts where appropriate with commissioned consultants reports briefed to take these potential impacts into consideration and inform any design mitigation requirements.

4.1 Visual Effects

The client is sensitive to the potential for impacts to arise from visual intrusion within the landscape and expertise will be secured to ensure that panel positioning and screening protect the landscape quality and character. The development proposes to retain, improve and manage all existing trees and hedgerows, and would propose significant additional planting along the boundaries of the site as required. Visual impact would be further investigated to ensure that the site is not overlooked by any residential amenity within close proximity. Planting schemes would be undertaken in close consultation with the local authority and the National Trust to ensure that the extended fenland vision is supported and nurtured.

Longer shot montages are also proposed, under advisement from the Local Authority and stakeholder consultation, to ensure the protection of existing site features of landscape, ecological, heritage and amenity value. The client is keen to ensure protected views and areas of heritage value are not adversely impacted.



component parts are made of steel, aluminium and copper, most of the PV-plant will be recycled, with decommissioning disposal activities adhering to the hierarchy for waste. The gravel footings under the panels and the anchoring of the substructure with ground screws make dismantling a simple process. The substructure, posts and cables can be removed from the soil easily for recycling and also the PV-Modules can be recycled.

Figure One: Site for Development



Copyright: Google Earth

3. National Planning Policy Guidance

The National Planning Policy Framework (NPPF) was published on 27th March 2012 and has been introduced by the Government with the purpose of overhauling and simplifying the planning process. The NPPF replaces much of the previous suite of national Planning Policy Statements, Planning Policy Guidance Notes and some Circulars with a single, streamlined document. The NPPF sets out the Government's planning policies for England and how these are expected to be applied under the 'presumption in favour of sustainable development'.



4.2 Traffic

Whilst there would be traffic movements during the construction phase, this would be a short term, reversible impact. It is not envisaged that the proposal will generate traffic movements though any residential areas, nor is it anticipated that it would prejudice highway safety or materially harm the living conditions of local residents. The proposed development will require a relatively short construction period, where after only occasional minimal maintenance traffic will be necessary.

4.3 Biodiversity

The application site does not lie within a statutorily designated ecological area/habitat and as such the restrictive policies do not apply in this instance. However, the site is located within 2km of Wicken Fen a designated Site of Special Scientific Interest, a RAMSAR and a National Nature Reserve. Application is to be accompanied by a Phase 1 Habitat survey to assess the ecological potential of the site to support protected species. It is noted that Arable and Grassland Assemblage Farmland Birds predominate on and around the site. It is the clients' intention to enhance ecological corridors and ensure that all planting schemes adhere to indigenous plant stock, thereby increasing the biodiversity and habitat within this area. In addition by providing large areas of habitat and reversing habitat fragmentation species.

4.4 Agricultural Land

The proposal does not involve the permanent loss of agricultural land of grades 1, 2 or 3a. It is presented that, on developmental balance, renewable energy generation far outweighs the temporary loss of such agricultural land.

4.5 Renewable Energy

Policy states that in view of the environmental benefits associated with harnessing renewable energy sources, the Council will support the development of renewable energy schemes provided that it can be shown that such development would not cause significant harm to interests of acknowledged importance in the local environment. The policy continues that in assessing proposals for renewable energy schemes, in addition to the local and wider benefits which the proposal may bring.

4.6 Sustainable Development

The successful permission of the proposed solar park extension will further mitigate against the effects of climate change, provided a strongly compelling positive environmental effect.

4.7 Noise and Disturbance

During operation, previous investigations on constructed sites show that there will be no audible noise from onsite transformers/inverters beyond the limits of the site. Construction noise would be limited to certain times only.

4.8 Light spillage, Air Quality and other forms of pollution There is no pollution associated with the proposed development.



4.9 Safety and Security

It is proposed to erect a security fence around the extent of the site which will be monitored by CCTV. As indicated, the site will be enclosed by extending existing and proposed planting to increase its visual aesthetics.

4.10 Flood Risk

The majority of the site sits on Environment Agency designated flood risk zones; the majority of land presenting as a medium flood risk. Suitable flood risk assessments will be undertaking to understand the relationship between the proposed development and the local hydrology and identify any necessary mitigations. The size of the site and extent of panel coverage is likely to have a minor impact on surface water attenuation. It is therefore proposed that a suitable SUDS system will be designed to ensure that surface water drains at a rate that prevents any risk of localised flooding. Flood risk does not usually increase with the installation of solar farms. Little hard standing material will be used during construction and within the final development design. Thereby avoiding soil compaction and ensuring the ability for surface water to attenuate.

4.11 Archaeology and Contaminated Land

If deemed appropriate investigations will be instigated to identify any potential impacts as they relate to contaminated land and archaeological vulnerability.

Conclusion

In addition to this Environmental Impact Assessment Opinion request, a pre application meeting is sought to fully appreciate the concerns of the Council and identify any potential constraints and challenges. Should you require any further information to assist in this matter, we may be contacted on the number below.

Warmest regards

Justine Oakes
Oakes Environmental
07810374103
www.oakesenvironmental.com

Annexes

Annex A: Block plan

Annex B: Panel Elevations

Annex C: Trio General Specifications Outdoor Models

Annex D: TSM Panel Specifications

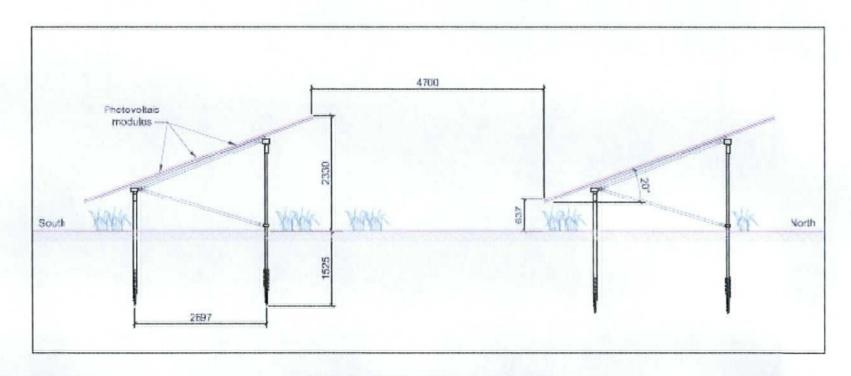


Annex A:

Block Plan Lapwing Fen 2013



Annex B: Panel Side Elevations



SECTION THROUGH PV ARRAYS
Scale 1:50



Annex C:

General Specifications Outdoor Models



AURORA

TRIO-20.0-TL TRIO-27.6-TL

GENERAL SPECIFICATIONS OUTDOOR MODELS

The latest in Power-One's Aurora Trio range, this new-look three-phase inverter fills a specific niche in the commercial solar market. This new three-phase inverter benefits from the three-phase inverter technology perfected in the PVI-10.0 and 12.5, probably the world's most commonly used three-phase inverter which has led the way in best-in-class efficiency.

Controlling more PV panels than its smaller predecessor, the Trio-27.6 and Trio-20.0 will offer more flexibility and control to installers who have large installations with varying aspects or orientations. This device has two independent MPPTs and efficiency ratings of up to 98.2%. The very wide input voltage range makes the inverter suitable to installations with reduced string size.

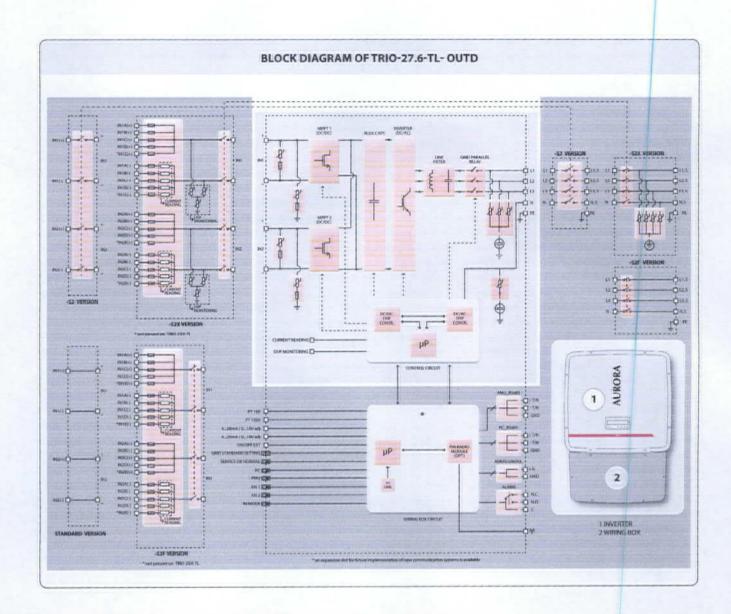
The new look inverter has new features including a special built-in heat sink compartment and front panel display system. The unit is free of electrolytic capacitors, leading to a longer product lifetime.



Features

- 'Electrolyte-free' power converter to further increase the life expectancy and long term reliability
- Quiet Rail
- True three-phase bridge topology for DC/AC output converter
- Each inverter is set on specific grid codes which can be selected in the field
- Dual input sections with independent MPP tracking, allows optimal energy harvesting from two sub-arrays oriented in different directions
- Wide input range
- Detachable wiring box to allow an easy installation
- Integrated string combiner with different options of configuration which include DC and AC disconnect switch in compliance with international Standards (-S2, -S2F and -S2X versions)

- High speed and precise MPPT algorithm for real time power tracking and improved energy harvesting
- Flat efficiency curves ensure high efficiency at all output levels ensuring consistent and stable performance across the entire input voltage and output power range
- Outdoor enclosure for unrestricted use under any environmental conditions
- Capability to select via display the Active Power reduction and the Reactive Power regulation (fixed cos(phi), standard cos(phi)=f(P) curve, Fixed Q (Q/Pn))
- Capability to connect external sensors for monitoring environmental conditions
- Availability of auxiliary DC output voltage (24V, 300mA)



Block Diagram and Efficiency Curves







www.power-one.com

-	-	 -	485	 2.4	 O.66

Power-One Renewable Energy Worldwide Sc Country	Name/Region	Telephone	Email
Australia China (Shenzhen) China (Shanghai) India Singapore	Asia Pacific Asia Pacific Asia Pacific Asia Pacific Asia Pacific	+61 2 9735 3111 +86 755 2988 5888 +86 21 5505 6907 +65 6896 3363 +65 6896 3363	sales.australia@power-one.com sales.china@power-one.com sales.china@power-one.com sales.india@power-one.com sales.singapore@power-one.com
Belgium / The Netherlands / Luxembourg France Germany Italy Spain United Kingdom	Europe Europe Europe Europe Europe	+32 2 206 0338 +33 (0) 141 796 140 +49 7641 955 2020 00 800 00287672 Opt. n°5 +34 91 879 88 54 +44 1903 823 323	sales.belgium@power-one.com sales.france@power-one.com sales.germany@power-one.com sales.taly@power-one.com sales.spain@power-one.com sales.UK@power-one.com
Dubai	Middle East	+971 50 100 4142	sales.dubai@power-one.com
Canada USA East USA Central	North America North America North America North America	+1 877 261-1374 +1 877 261-1374 +1 877 261-1374 +1 877 261-1374	sales.canada@power-one.com sales.usaeast@power-one.com sales.usacentral@power-one.com sales.usawest@power-one.com

PARAMETER	TRIO-20.0-TL-OUTD	TRIO-27.6-TL-OUTD
nput Side		
bsolute Maximum DC Input Voltage (Vmax,abs)	1000 V	1000 V
tart-up DC Input Voltage (V _{start})	360 V (adj. 250500 V)	360 V (adj. 250500 V)
perating DC Input Voltage Range (V _{domin} V _{domax})	0.7 × V _{start} 950 V	0.7 x V _{statt} 950 V
ated DC Input Power (Pda)	20750 W	28600 W
lumber of Independent MPPT	2	2
laximum DC Input Power for each MPPT (PMPPTmax)	12000 W	16000 W
C Input Voltage Range with Parallel Configuration of IPPT at Pag	440800 V	500800 V
C Power Limitation with Parallel Configuration of MPPT C Power Limitation for each MPPT with Independent Configuration of MPPT at Parr, max unbalance example	Linear Derating From MAX to Null [800V≤V _{MPPT} ≤950V] 12000 W [480V≤V _{MPPT} ≤800V] the other channel; P _{dc} -12000W [350V≤V _{MPPT} ≤800V]	16000 W [500V≤V _{мерт} ≤800V]
laximum DC Input Current (I _{dcmax}) / or each MPPT (I _{MPPTmax})	50.0 A / 25.0 A	64.0 A / 32.0 A
laximum Input Short Circuit Current for each MPPT	30.0 A	40.0 A
lumber of DC Inputs Pairs for each MPPT	1 (4 in -S2X and -S2F Versions)	1 (5 in -S2X and -S2F Versions)
C Connection Type	Tool Free PV Connector WM / MC4 (Screw Terminal Block on Standard and -S2 versions)	Tool Free PV Connector WM / MC4 (Screw Term Block on Standard and -S2 versions)
put Protection		
everse Polarity protection	Yes, from limited current source	Yes, from limited current source
put Over Voltage Protection for each MPPT - Varistor	2	2
put Over Voltage Protection for each MPPT -	3 (Class II)	3 (Class II)
lug In Modular Surge Arrester (-S2X Version)	Acceptation to book story should	According to local standard
hotovoltaic Array Isolation Control	According to local standard	According to local standard 40 A / 1000 V
C Switch Rating for each MPPT (Version with DC switch)	40 A / 1000 V	12 A / 1000 V
use Rating (Versions with fuses)	12 A / 1000 V	12 A7 1000 V
utput Side C Grid Connection Type	Three phase 3W or 4W+PE	Three phase 3W or 4W+PE
C Grid Connection Type ated AC Power (Page)	20000 W	27600 W
laximum AC Output Power (Paonax)	22000 W (3)	30000 W (4)
ated AC Grid Voltage (V _{acc})	400 V	400 V
C Voltage Range	320480 V ⁽¹⁾	320480 V ⁽ⁱ⁾
laximum AC Output Current (I _{ac.max})	33.0 A	45.0 A
ated Output Frequency (f,)	50 Hz	50 Hz
utput Frequency Range (f _{min} f _{max})	4753 Hz (2)	4753 Hz (2)
	> 0.995 (adj. ± 0.9 , or fixed by display down to ± 0.8	
lominal Power Factor (Cosphi _{acr})	with max 22 kVA) < 3%	with max 30 kVA) < 3%
otal Current Harmonic Distortion	Screw terminal block	Screw terminal block
C Connection Type	Screw terminal block	Screw (erminal block
output Protection nti-Islanding Protection	According to local standard	According to local standard
laximum AC Overcurrent Protection	34.0 A	46.0 A
Output Overvoltage Protection - Varistor	4	4
output Over Voltage Protection - Plug In Modular Surge	4 (Class II)	4 (Class II)
rrester (-S2X Version)		
perating Performance	09.284	98.2%
laximum Efficiency (ŋmax)	98.2% 98.0%/98.0%	98.0% / 98.0%
/eighted Efficiency (EURO/CEC) eed In Power Threshold	5,514,000 5,514,000	40 W
	40 W < 8W	< 8W
tand-by Consumption	< avv	1044
ommunication /ired Local Monitoring	PVI-USB-RS232_485 (opt.), PVI-DESKTOP (opt.)	PVI-USB-RS232_485 (opt.), PVI-DESKTOP (opt
emote Monitoring	PVI-AEC-EVO (opt.), AURORA-UNIVERSAL (opt.)	PVI-AEC-EVO (opt.), AURORA-UNIVERSAL (opt.)
Vireless Local Monitoring	PVI-DESKTOP (opt.) with PVI-RADIOMODULE (opt.)	PVI-DESKTOP (opt.) with PVI-RADIOMODULE (o
ser Interface	Graphic display	Graphic display
nvironmental		
	-25+60°C /-13140°F	-25+60°C /-13140°F
mbient Temperature Range	with derating above 45°C/113°F	with derating above 45°C/113°F
elative Humidity	0100% condensing	0100% condensing
oise Emission	< 50 dB(A) @ 1 m	< 50 dB(A) @ 1 m
Maximum Operating Altitude without Derating	2000 m / 6560 ft	2000 m / 6560 ft
hysical		
nvironmental Protection Rating	IP 65	IP 65
ooling	Natural	Natural
imension (H x W x D)	1061 mm x 702 mm x 292 mm/ 41.7" x 27.6" x 11.5"	1061 mm x 702 mm x 292 mm/ 41.7" x 27.6" x 1
/eight	< 70.0 kg / 154.3 lb (Standard Version)	< 75.0 kg / 165.4 lb (Standard Version)
lounting System	Wall bracket	Wall bracket
afety		
olation Level	Transformerless	Transformerless
larking	CE	CE
afety and EMC Standard	EN 50178, AS/NZS3100, AS/NZS 60950, EN61000-6-1, EN61000-6-3, EN61000-3-11, EN61000-3-12	EN 50178, AS/NZS3100, AS/NZS 60950, EN61000 EN61000-6-3, EN61000-3-11, EN61000-3-12
Grid Standard	Enel Guideline (CEI 0-21 + Attachment A70 Terna, CEI 0-16) ⁽⁵⁾ , VDE 0126-1-1, VDE-AR-N 4105, G59/2, EN	
	50438, RD1663, AS 4777, BDEW	50438, RD1663, AS 4777, BDEW
wailable Products Variants		
tandard	TRIO-20.0-TL-OUTD-400	TRIO-27.6-TL-OUTD-400
	TRIO-20.0-TL-OUTD-400 TRIO-20.0-TL-OUTD-52-400 TRIO-20.0-TL-OUTD-52F-400	TRIO-27.6-TL-OUTD-400 TRIO-27.6-TL-OUTD-52-400 TRIO-27.6-TL-OUTD-52F-400



Annex D:

TSM Panel Specifications

TSM-PC14 TSM-PA14

THE UTILITY SOLUTION

15.7%

305W
MAX POWER OUTPUT

10 YEAR
PRODUCT WARRANTY

25 YEAR

Founded in 1997, Trinu Sular (NYSE: TSL) has established itself as a leader in the solar community with its vertically integrated business model. Our modules and system solutions provide clean solar power in on-grid and off-grid residential, commercial, industrial and utility-scale systems.

With more than 22 offices worldwide, Trina Salar has partnerships with leading installers, distributors, utilities and developers in all major PV markets. Trina Salar is committed to driving smarter energy choices.

Tring Solar Limited





Module can bear snow loads up to 5400Pa and wind loads up to 2400Pa



Guaranteed power output 0~+3%



High performance under low light conditions Cloudy days, mornings and evenings



Enhanced module durability with 4.0mm thick tempered glass



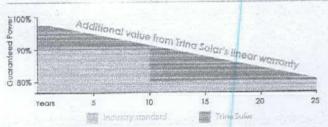
Manufactured according to International Quality and Environment Management System Standards 1507001, ISO14001



MC4 photovoltaic connectors increase system reliability

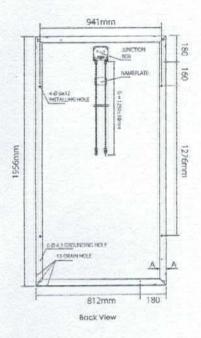
LINEAR PERFORMANCE WARRANTY

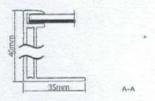
10 Year Product Warranty - 25 Year Linear Power Warranty



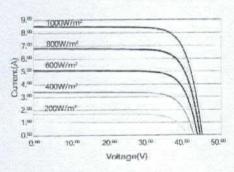
TSM-PC14 / TSM-PA14 Utility Scale Solar Module

DIMENSIONS OF PV MODULE TSM-PC/PA14





I-V CURVES OF PV MODULE TSM-290 PC/PAIA



Average efficiency reduction of 4.5% at 200W/m² according to EN 60904-1.

CERTIFICATION







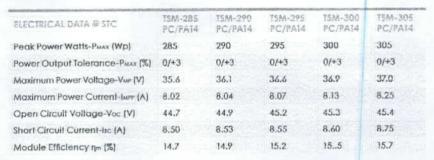












values at Standard Test Conditions STC (Air Mass AM), 5, Irradiance 1000W/m², Cell Temperature 25°C).

ELECTRICAL DATA @ NOCT	TSM-285 PC/PA14	75AA-290 PC/PA14	TSM-295 PC/PA14	TSM-300 PC/PAI4	75M-305 PC/PA14
Maximum Power-Pwax (Wp)	207	211	214	218	221
Maximum Power Voltage-Vno (V)	32.1	32.6	33.0	33.3	33.4
Maximum Power Current-Impr (A)	6.46	6.47	6.48	6,55	6.62
Open Circuit Voltage (V)-Voc (V)	40.7	40.9	41.2	41.3	41.4
Short Circuit Current (A)-lsc (A)	6.93	6.97	7.00	7.04	7.17

NOCT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s. Power measurement tolerance: ±3%

MECHANICAL DATA

Solar cells Multicrystalline 156 × 156mm (6 inches) 72 cells (6 × 12) Cell orientation 1956 × 992 × 40mm (77 × 39.05 × 1.57 inches) Module dimensions 27.6kg (60.8 lb) Weight

High transparency solar glass 4.0mm (0.16 inches) Glass Anodized aluminium alloy Frame

J-Box Photovoltaic Technology cable 4.0mm2 (0.006 inches2). Cables 1250mm (49.2 inches)

MC4 Connector

TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	45°C (±2°C)		
Temperature Coefficient of PMAX	-0.44%/°C		
Temperature Coefficient of Voc	-0.33%/°C		
Temperature Coefficient of Isc	0.046%/°C		

WARRANTY

10 year Product Workmanship Warranty 25 year Linear Power Warranty (Please refer to product warranty for details)

Modules per box: 24 pieces Modules per 40' container: 528 pieces

MAXIMUM RATINGS

-40-+85°C Operational Temperature Maximum System 1000V DC(IEC)/ Voltage 600V DC(UL)

Max Series Fuse Ratina

15A

TSM_US_NOV_2012

PACKAGING CONFIGURATION



