Exhibit O Equipment Specification Sheets



Series 7 TR1.

525-550 Watt Thin Film Solar Module



Series 7 TR1 modules combine First Solar's thin film technology with a larger form factor and an innovative new back rail mounting system to deliver improved efficiency, enhanced installation velocity, and unmatched lifetime energy performance for utility-scale PV projects.



More Energy per Nameplate Watt

- Superior temperature coefficient, spectral, and shading response
- No power loss from LID or LeTID
- Anti-reflective coated glass enhances energy production



Innovative Module Design

- · Optimized back rails enhance installation velocity
- Frameless design improves soiling and snow shedding
- Dual junction box design reduces wire management complexity and cost



Unmatched Quality and Reliability

- End-to-end manufacturing process for globally consistent quality
- Tested and certified to IEC standards and beyond
- Durable glass/glass construction
- Immune to and warranted against power loss from cell cracking
- · 30-year Linear Performance Warranty



Industry's Most Eco-efficient PV Solution

- Industry-leading carbon footprint, water footprint and energy payback time
- Globally available PV module recycling services



America's Solar Company

Designed, responsibly sourced, and manufactured in the USA

19.7% HIGH BIN EFFICIENCY

30YR
LINEAR PERFORMANCE
WARRANTY

98%
WARRANTY START POINT

U.6%
WARRANTED ANNUAL
DEGRADATION RATE



Learn more about First Solar and Series 7 TR1 at firstsolar.com/S7



Series 7 TR1.

Electrical Specifications



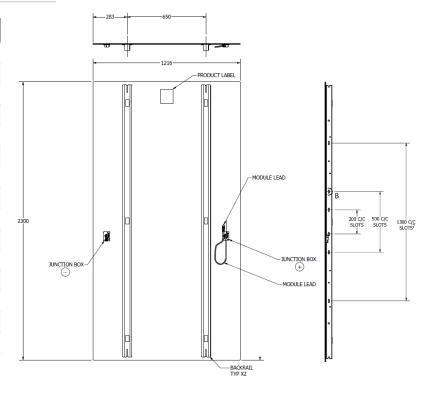
MODEL TYPES: FS-7XXXA- <i>TR1</i> (XXX = NOMINAL POWER) RATINGS AT STANDARD TEST CONDITIONS (1000W/m², AM 1.5, 25°C)²							
Nominal Power ³ (-0/+5%)	P _{MAX} (W)	525	530	535	540	545	550
Efficiency (%)	%	18.8	19.0	19.1	19.3	19.5	19.7
Cell Efficiency (%)	%	19.7	19.9	20.1	20.3	20.4	20.6
Voltage at P _{MAX}	V _{MAX} (V)	186.0	186.9	187.8	188.7	189.6	190.4
Current at P _{MAX}	I _{MAX} (A)	2.82	2.84	2.85	2.86	2.88	2.89
Open Circuit Voltage	V _{OC} (V)	226.1	226.7	227.2	227.7	228.2	228.8
Short Circuit Current	I _{SC} (A)	3.04	3.05	3.06	3.06	3.07	3.08
Maximum System Voltage	V _{SYS} (V)	1500 ⁵					
Limiting Reverse Current	I _R (A)	5.0					
Maximum Series Fuse	I _{CF} (A)	5.0					

TEMPERATURE CHARACTERISTICS				
Module Operating Temperature Range	(°C)	-40 to +85		
Temperature Coefficient of P _{MAX}	T _K (P _{MAX})	-0.32%/°C [Temperature Range: 25°C to 75°C]		
Temperature Coefficient of V _{OC}	T _K (V _{OC})	-0.28%/°C		
Temperature Coefficient of I _{SC}	T _K (I _{SC})	+0.04%/°C		
Nominal Operating Cell Temperature	(°C)	45		

PACKAGING INFORMATION		
Model Type	Modules Per Pack	Packs per 53' Container
FS-7XXXA-TR1	44 / 46	Up to 10

Mechanical Specifications

MECHANICAL DESCRIPTION		
Length	2300mm	
Width	1216mm	
Area	2.80m ²	
Module Weight	38.4 ⁷ / 39.7 kg	
Leadwire ⁶	2.5mm ² , 650mm (+) & Bulkhead (-)	
Connectors	TE Connectivity PV4-S or alternate	
Junction Box	IP68 Rated	
Bypass Diode	N/A	
Cell Type	Thin film CdTe semiconductor, up to 268 cells	
Back Rail Material	Galvanized steel	
Front Glass	Heat strengthened	
Back Glass	Heat strengthened	
Encapsulation	Laminate material with edge seal	
Frame to Glass Adhesive	Silicone	
Load Rating	2400Pa	



Certifications & Tests⁴

CERTIFICATIONS AND LISTINGS	EXTENDED DURABILITY TESTS	QUALITY & EHS
IEC 61215:2021 & 61730-1:2016 ⁵ ,CE IEC 61701 Salt Mist Corrosion IEC 60068-2-68 Dust and Sand Resistance IEC 62716 Ammonia Corrosion UL 61730 1500V Listed	IEC TS 63209-1 Extended Stress Test Long-Term Sequential Thresher Test PID Resistant	ISO 9001:2015 ISO 14001:2015 ISO 45001:2018 ISO 14064-3:2006 EPEAT Silver Registered









- Limited power output and product warranties subject to warranty terms and conditions
- 2 All ratings $\pm 10\%$, unless specified otherwise. Specifications are subject to change
- 3 Measurement uncertainty applies
- 4 Testing Certifications/Listings pending
- 5 IEC 61730-1: 2016 Class II
- 6 Leadwire length from junction box exit to connector mating
- surface 7 +/-1300mm mounting location added to product variant

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250 kW-600 V, 1500 Vdc String Inverters for North America



CPS SCH250K-T-US-600

The new CPS 250 kW-600 V three-phase string inverters are designed for ground mount applications. The units are high performance, advanced, and reliable inverters designed specifically for the North American environment and grid. High efficiency at 98.83% peak and 98.4% CEC, wide operating voltages, broad temperature ranges, and a NEMA Type 4X enclosure enable this inverter platform to operate at high performance across many applications. The CPS 250 kW-600 V products ship with the Distributed or Centralized Wire Box, each fully integrated and separable with AC and DC disconnect switches. Enhanced DC wire boxes allow DC disconnection under short circuit conditions. The CPS FlexOM Gateway enables communication, controls, and remote product upgrades.

Key Features

- NFPA 70 and NEC compliant
- Touch-safe DC Fuse holders add convenience and safety
- CPS FlexOM Gateway enables remote firmware upgrades
- Integrated AC and DC disconnect switches
- Enhanced DC wire boxes
- Copper- and aluminum-compatible AC connections

- NEMA Type 4X outdoor rated enclosure
- Advanced Smart-Grid features
- kVA headroom yields 250 kW @ 0.95 PF
- 1.7 DC/AC inverter load ratios
- Separable wire box design for fast service
- Distributed or Centralized wire box options



250 kW-600 V Distributed Wire Box



250 kW-600 V Centralized Wire Box







Model Name	CPS SCH250K-T-US-600		
DC Input			
Max. PV power	425 kW		
Max. DC input voltage	1500 V		
Operating DC input voltage range	860-1450 Vdc		
Start-up DC input voltage / power	900 V / 250 W		
Number of MPP trackers	1		
MPPT voltage range for Pnom ¹	900-1300 Vdc		
Max. PV input current ²	450 A		
Number of DC inputs	Distributed Wire Box: 30 PV source circuits, fused Centralized Wire Box: 1 input circuit, 1-2 terminations per pole, non-fused		
DC disconnection type	Distributed Wire box: Load-rated DC switches Centralized Wire Box: DC breaker		
DC surge protection	Type II MOV		
AC Output			
Rated AC output power	250 kW		
Max. AC apparent power (selectable ³)	250 kVA / 264 kVA (@ PF >0.95)		
Rated output voltage	600 Vac		
Output voltage range ⁴	528-660 Vac		
Grid connection type ⁵	3Φ / PE / N (neutral optional)		
Max. AC output current @ 600 Vac	241 A (@ 250 kVA) / 254 A (@ 264 kVA)		
Rated output frequency	60 Hz		
Output frequency range ⁴	57-63 Hz		
Power factor	>0.99 (±0.8 adjustable)		
Current TRD	< 3%		
Max. OCPD rating	400 A		
AC disconnection type	Load-rated AC switch		
AC surge protection	Type II MOV		
System	туре н моч		
Topology	Transformerless		
Max. efficiency	98.83%		
CEC efficiency	98.4%		
Standby / night consumption	< 30 W		
Environment	\ 30 VV		
Enclosure protection degree	NEMA Type 4X		
Cooling method	Variable speed cooling fans		
Operating temperature range	-22°F to 140°F / -30°C to 60°C (derating from 108°F / 42°C)		
Non-operating temperature range ⁶	-22 F to 140 F / -30 C to 60 C (defating from 108 F / 42 C)		
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Operating humidity Operating altitude	0-95%		
	6562 ft / 2000 m (no derating)		
Audible noise	< 80 dBA @ 1 m and 77°F (25°C)		
Display and Communication	LED indicators Plantach and accompany		
User interface and display	LED indicators; Bluetooth and app		
Inverter monitoring	Modbus RS485		
Site-level monitoring	CPS FlexOM Gateway (1 per 32 inverters)		
Modbus data mapping	SunSpec / CPS		
Remote diagnostics / firmware upgrade functions	Standard / (with FlexOM Gateway)		
Mechanical			
Dimensions (W × H × D)	Powerhead: 28.46 × 33 × 13.98 in (723 × 840 × 355 mm) Wire Box: 23.11 × 33 × 13.98 in (587 × 840 × 355 mm)		
Weight (approximate)	Powerhead: 175 lb (79.5 kg) Wire Box: 106 lb (48 kg)		
Mounting / installation angle	Vertical		
AC termination	M12 stud type terminal [3Φ] (wire range: 500 kcmil-750 kcmil CU/AL; lugs not supplied) Screw clamp terminal block [N] (#12-1/0 AWG CU/AL)		
DC termination	Distributed Wire Box: Screw clamp fuse holder (wire range: #14-#8 AWG CU) Centralized Wire Box: Busbar (<600 kcmil CU/AL [2 terminations per pole]; lugs not supplied)		
Fused string inputs	Distributed Wire Boxes: 30 A fuses provided (fuse values up to 35 A acceptable)		
Safety			
Certifications and standards	III 1741-SA/SR Ed. 3. CSA-C22.2 NO 107.1-01. IEEE 1547-2018. ECC Part 15. III 160007		
Selectable grid standard	UL 1741-SA/SB Ed. 3, CSA-C22.2 NO.107.1-01, IEEE 1547-2018, FCC Part 15, UL 1699B ⁷		
-	IEEE 1547a-2014, IEEE 1547-2018, CA Rule 21, ISO-NE		
Smart-grid features	Volt-RideThru, Freq-RideThru, Ramp-Rate, Specified-PF, Volt-VAR, Freq-Watt, Vol-Watt		
Warranty	- Cura		
Standard	5 years		
Extended terms	10, 15, and 20 years		

¹⁾ See user manual for further information regarding MPPT voltage range when operating at non-unity PF.
2) The sum of parallel-connected PV module short-circuit currents.
3) Inverter is factory set to 250 kVA by default. Contact CPS to enable the 264 kVA setting.
4) The "output voltage range" and "output frequency range" may differ according to the specific grid standard.
5) Delta configurations must not be corner-grounded.
6) See user manual for further requirements regarding non-operating conditions.
7) AFCI function available for Distributed wire boxes only.

