SunEdison Semiconductor Ltd Form 3/A May 30, 2014

## FORM 3

# UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

OMB APPROVAL

OMB Number:

response...

3235-0104 January 31,

0.5

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

Estimated average burden hours per

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting 2. Date of Event Requiring 3. Issuer Name and Ticker or Trading Symbol Person \* Statement SunEdison Semiconductor Ltd [SEMI] SUNEDISON, INC. (Month/Day/Year) 05/21/2014 (Last) (First) (Middle) 4. Relationship of Reporting 5. If Amendment, Date Original Person(s) to Issuer Filed(Month/Day/Year) 501 PEARL DRIVE (CITY OF 05/21/2014 (Check all applicable) O'FALLON) (Street) 6. Individual or Joint/Group \_X\_\_ 10% Owner Director Officer Other Filing(Check Applicable Line) (give title below) (specify below) Form filed by One Reporting Person ST. PETERS, MOÂ 63376 \_X\_ Form filed by More than One Reporting Person (City) (State) (Zip) Table I - Non-Derivative Securities Beneficially Owned 4. Nature of Indirect Beneficial 1. Title of Security 2. Amount of Securities Beneficially Owned Ownership Ownership (Instr. 4) (Instr. 4) Form: (Instr. 5) Direct (D) or Indirect (I) (Instr. 5) Ordinary Shares, no par value I See Footnote (1) 23,560,251 Reminder: Report on a separate line for each class of securities beneficially SEC 1473 (7-02) owned directly or indirectly. Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)	Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative	5. Ownership Form of Derivative Security:	6. Nature of Indirect Beneficial Ownership (Instr. 5)
		Title	Security	Direct (D)	

#### Edgar Filing: SunEdison Semiconductor Ltd - Form 3/A

Date Expiration Amount or or Indirect
Exercisable Date Number of (I)
Shares (Instr. 5)

#### **Reporting Owners**

Reporting Owner Name / Address		Relationships				
topotong of not runter runters	Director	10% Owner	Officer	Other		
SUNEDISON, INC. 501 PEARL DRIVE (CITY OF O'FALLON) ST. PETERS, MO 63376	Â	ÂX	Â	Â		
SunEdison International, Inc. 501 PEARL DRIVE (CITY OF O'FALLON) ST. PETERS, MO 63376	Â	ÂX	Â	Â		

# **Signatures**

/s/ Martin H. Truong, Secretary 05/30/2014

\*\*Signature of Reporting Person Date

### **Explanation of Responses:**

- \* If the form is filed by more than one reporting person, see Instruction 5(b)(v).
- \*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) Consists of 23,560,251 ordinary shares directly owned by SunEdison International, Inc. ("SunEdison International") and indirectly owned by SunEdison, Inc., which as the direct parent of SunEdison International has shared voting and investment power over such shares.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *See* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

Reporting Owners 2