

SEMI China PV Std. Technical Committee

Crystalline Silicon Solar Cell Task Force

Song Dengyuan, Task Force Leader / 2021-04-23



CONNECT - COLLABORATE - INNOVATE - GROW - PROSPER

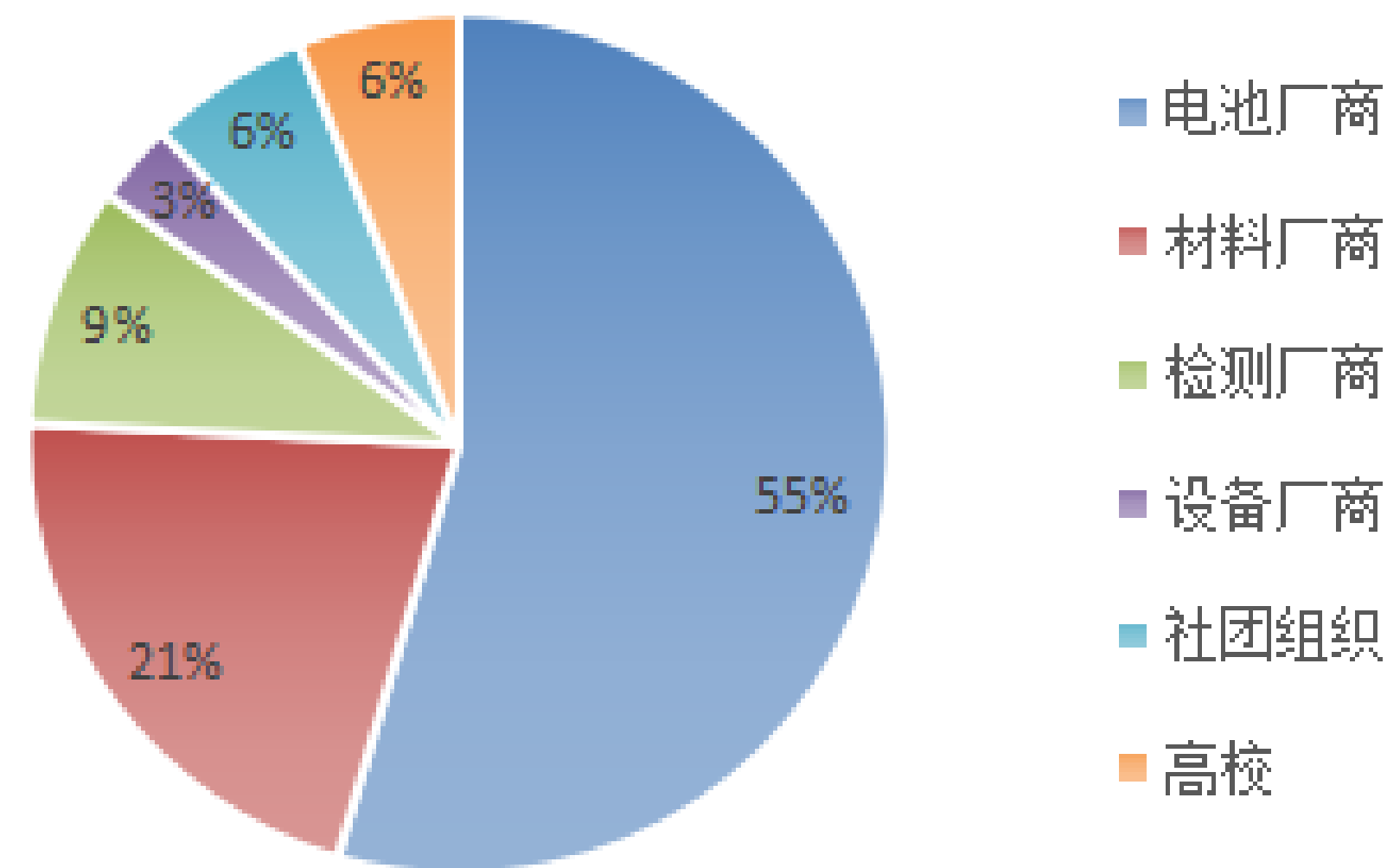
Leaders of Crystalline Silicon Solar Cell Task Force



No.	Name	Company	Industry Chain
1	Song Dengyuan (宋登元)	Yingli (英利)	Silicon/ Wafer/ Cell/ Module/ System
2	Chen Rulong (陈如龙)	Runyang (润阳)	Cell
3	Cai Xianwu (蔡先武)	CETC48 (48所)	Cell/ Module/ Equipment

- **Members of Crystalline Silicon Solar Cell Task Force**(组内成员梳理后，共计：**33**家单位，**55**名成员)——新增**4**家单位，**8**名成员，**4**家单位变更，**6**名人员变更

电池工作组含33家成员单位，55位成员，其中生产厂商18家，材料厂商7家，检测机构3家，高校2家，社团组织2家，设备厂家1家)



• Members of Crystalline Silicon Solar Cell Task Force(33家单位, 55名成员)

No.	Name	Company	Industry Chain
1	Li Feng	Yingli (英利)	Wafer/ Cell/ Module/ System
2	Li Yingye	Yingli (英利)	Wafer/ Cell/ Module/ System
3	Jiang Fangdan	Canadian (阿特斯)	Wafer/ Cell/ Module/ System
4	Guo Suqin	Canadian (阿特斯)	Wafer/ Cell/ Module/ System
5	Jin Yunhong	TrinaSolar (天合)	Wafer/ Cell/ Module/ System
6	Ren Gaigai	LONGi Solar (隆基乐叶)	Wafer/ Cell/ Module/ System
7	Li Huiling	LONGi Solar (隆基乐叶)	Wafer/ Cell/ Module/ System
8	Ni Zhichun	Talesun (腾晖光伏)	Cell/ Module/ System
9	Cheng Xiaojuan	LDK (江西赛维)	Silicon/ Wafer/ Cell
10	Li Jianmin	LDK (江西赛维)	Silicon/ Wafer/ Cell
11	Li Ning	Jinko (晶科)	Wafer/ Cell/ Module/ System
12	Gao Feng	Jinko (晶科)	Wafer/ Cell/ Module/ System
13	Wang Song	JA Solar (晶澳)	Wafer/ Cell/ Module/ System
14	Wang Shipeng	Chint New Energy (浙江正泰)	Cell/ Module/ System
15	He Sheng	Chint New Energy (浙江正泰)	Cell/ Module/ System
16	Lin Sainv	Chint New Energy (浙江正泰)	Cell/ Module/ System

• **Members of Crystalline Silicon Solar Cell Task Force(33家单位, 55名成员)**

No.	Name	Company	Industry Chain
17	Ding Bingbing	Rutech（儒兴科技）	Materials
18	Ouyang Jieyu	Rutech（儒兴科技）	Materials
19	Zuo Chendong	Suzhou green materials (苏州国绿)	Materials
20	Wu Min	Heraeus Materials Technology Shanghai Ltd	Materials
21	Zhou Xingqiang	Heraeus Materials Technology Shanghai Ltd	Materials
22	Lin Sainv	Chint New Energy（浙江正泰）	Cell/ Module/ System
23	Liu Jiangfeng	Xinyang Normal University（信阳师范）	Others
24	Lu Xiaoman	Xinyang Normal University（信阳师范）	Others
25	Liu Erming	UMS(厦门攸信)	Others
26	Zhang Zhen	Hohai University(河海大学)	Others
27	Lu Jiayan	CPVT（国检光伏）	Cell/ Module/ Material
28	Liu Wenfeng	Hunan Red Solar.（湖南红太阳）	Wafer/ Cell/ Module/ System
29	Yi Hui	Hunan Red Solar.（湖南红太阳）	Wafer/ Cell/ Module/ System
30	Zhou Min	Suntech（尚德）	Cell/ Module
31	Bo Xiangxi	TÜV SÜD（南德）	Cell/ Module
32	Wei Qingzhu	YongZhen（永臻）	Material

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No.	Name	Company	Industry Chain
33	Yan Tingting	Suntech (尚德)	Cell/ Module
34	Chen Liping	Suntech (尚德)	Cell/ Module
35	Zhang Chun	GCLSI (协鑫集成)	Cell/ Module
36	Wu Yanrong	GCLSI (协鑫集成)	Cell/ Module
37	Hu Yuting	Risen energy (东方日升)	Cell/ Module
38	Ke Yiping	Risen energy (东方日升)	Cell/ Module
39	He Daneng	Aiko Solar (广东爱旭)	Cell
40	Yang Guoming	Aiko Solar (浙江爱旭)	Cell
41	Wu Cuigu	ZCRDI (零碳研究院)	Others
42	Liu Yichen	IAWBS (宽禁带联盟)	Others
43	Tian Tao	NAURA (北方华创)	Equipment
44	Wang Shan	iSM	Material
45	Zhou Xinshan	iSM	Material
46	Ao Yiwei	Fusion	Material
47	Chen Jia	Jolywood	Cell/ Module/ System

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No.	Name	Company	Industry Chain
48	Wu Xinghua	Leadmicro(江苏微导纳米)	Material
49	Liao Baochen	Leadmicro(江苏微导纳米)	Material
50	Li Weiming	Leadmicro(江苏微导纳米)	Material
51	Zeng Xiangchao	SOLAT（和光智能）	Cell/ Module
52	Ran Xu	Gainsolar（陕西众森）	System
53	Zhang Hexian	Gainsolar（陕西众森）	System
54	Liu Jiao	Gainsolar（陕西众森）	System
55	Shang Wenyu	Heraeus（贺利氏）	Material

• 退出工作组人员

No.	Name	Company	Industry Chain
1	He Yani	longi (隆基乐叶)	电池组件
2	Meng Xiajie	longi (隆基乐叶)	全产业链
3	Lu Yurong	Chint New Energy (浙江正泰)	电池、组件、系统
4	Zheng Hailu	Lightway (保定光为)	全产业链
5	Song Hao	CPVT	全产业链

Standards had been published(已发布7项标准)

No.	Standard Number	Doc. Name	Proposed Company
1	SEMI PV54-0514	Specification for Silver Paste, Used to Contact with N+ Diffusion Layer of Crystalline Silicon Solar Cells 晶体硅电池N型层接触银浆技术规范	Suntech 尚德
2	SEMI PV58-0115	Specification for Aluminum Paste, Used in Back Surface Field of Crystalline Silicon Solar Cells 晶体硅光伏电池用背场铝浆技术规范	Suntech 尚德
3	SEMI PV65-0715	Test Method Based on RGB for C-Si Solar Cell Color 基于 RGB的晶体硅太阳能电池颜色测试方法	Yingli 英利
4	SEMI PV66-0715	Test Method for Determining the Aspect Ratio of Solar Cell Metal Finger by Confocal Laser Scanning Microscope 太阳能电池电极栅线高宽比测试：激光扫描共聚焦显微镜法	Yingli 英利
5	SEMI PV67-0815	Test Method for the Etch Rate of a Crystalline Silicon Wafer by Determining the Weight Loss 晶体硅片腐蚀速率测试方法：称重法	Yingli 英利

Standards had been published(已发布7项标准)

No.	Standard Number	Doc. Name	Proposed Company
6	SEMI PV87-1018	Test method for Peeling Force Between Electrode and Ribbon/Back Sheet 电极与焊带以及电极与背板之间剥离力的测试方法	Talesun 腾晖
7	SEMI PV95-0820	New Standard: Test Method for Metal-Wrap-Through Solar Cell Via Resistance MWT太阳能电池灌穿孔质量的检测方法	CSI 阿特斯

Review Standards (5年复审标准5项)

No.	Standard Number	Doc. Name	Proposed Company
1	6611	Revision of SEMI PV54-0514 , Specification for Silver Paste, Used to Contact with N+ Diffusion Layer of Crystalline Silicon Solar Cells 晶体硅电池N型层接触银浆技术规范	Runyang 润阳
2	6670	Revision of SEMI PV58-0115 : Specification for Aluminum Paste, Used in Back Surface Field of Crystalline Silicon Solar Cells 晶体硅光伏电池用背场铝浆技术规范	Runyang 润阳
3	6664	Revision of SEMI PV65-0715 : Test Method Based on RGB for C-Si Solar Cell Color 基于 RGB的晶体硅太阳能电池颜色测试方法	Yingli 英利
4	6665	Revision of SEMI PV66-0715 : Test Method for Determining the Aspect Ratio of Solar Cell Metal Finger by Confocal Laser Scanning Microscope 太阳能电池电极栅线高宽比测试：激光扫描共聚焦显微镜法	Yingli 英利
5	6666	Revision of SEMI PV67-0815 : Test Method for the Etch Rate of a Crystalline Silicon Wafer by Determining the Weight Loss 晶体硅片腐蚀速率测试方法：称重法	Yingli 英利

• Documents in Work——5年复审标准

1、 SEMI Draft Document 6670 （ Runyang——润阳）

Doc. Name : Reapproval of SEMI PV58-0115, Specification for Aluminum Paste, Used in Back Surface Field of Crystalline Silicon Solar Cells (晶体硅光伏电池用背场铝浆技术规范)

当前进展：

The standard is supplemented by a global ballot.

本标准全球补充投票。

• TF Work Plan for the Next Step



Content	When
计划于2021年秋季会议申请低温浆料新提案，正在筹备相关资料； 目前参与单位包含：润阳、贺利氏、常州聚和、苏州晶银和英利等 We plan to apply for a new SNARF for low-temperature slurry in the autumn meeting of 2021, and are preparing relevant materials.	Oct, 2021



THANK YOU