

# **SEMI China PV Std. Technical Committee**

## **PV Module Task Force**

**Zhou Wei, Task Force Leader / 2021-04-23**



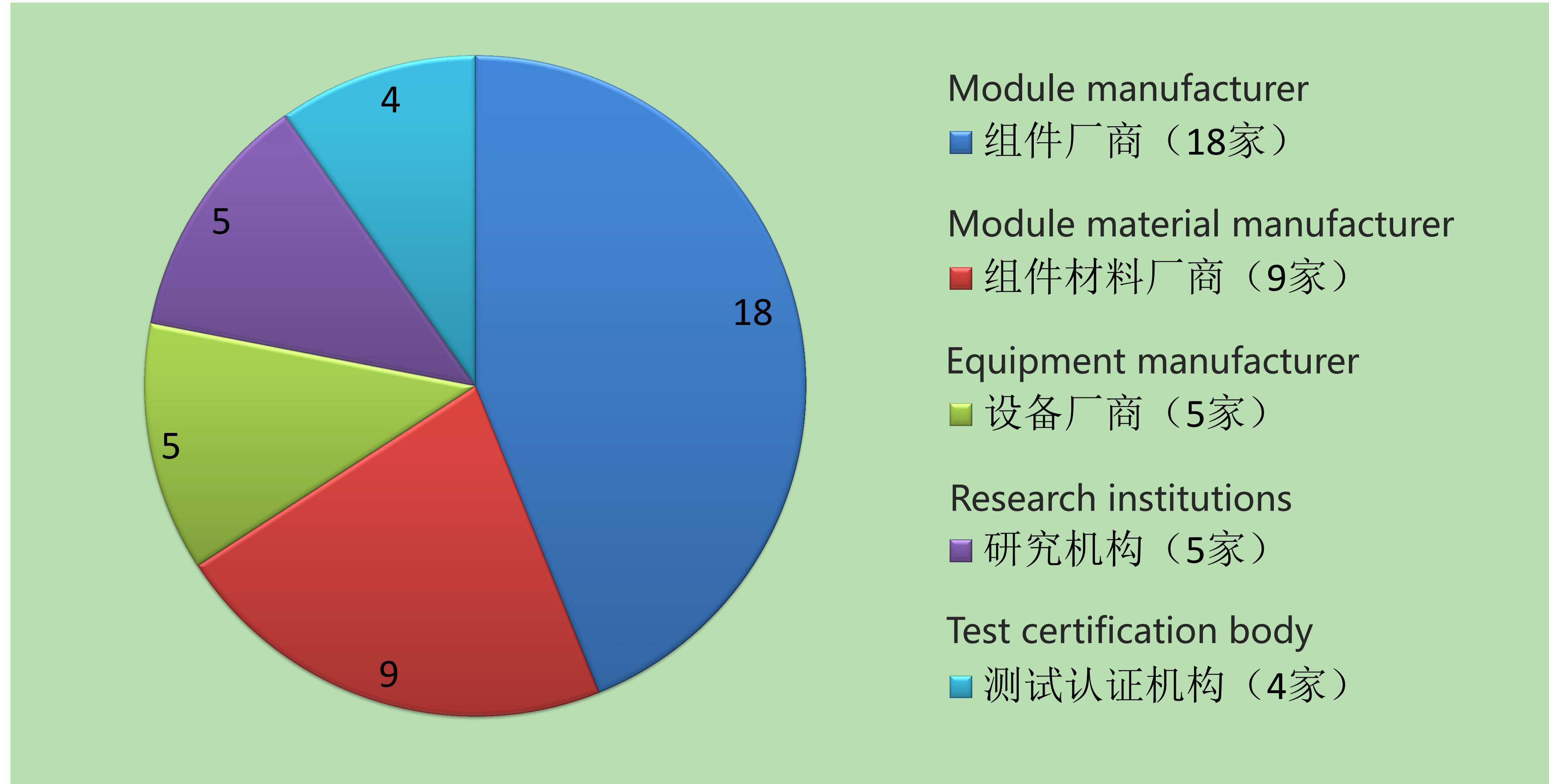
**CONNECT - COLLABORATE - INNOVATE - GROW - PROSPER**



# Leaders of PV Module Task Force

No.	Name	Company	Industry Chain
1	Zhou Wei	TrinaSolar ( 天合光能 )	Cell, Module, Material, System
2	Luo Liang	Hunan Red Solar New Energy Science and Technology Co. Ltd ( 48所-湖南红太阳 )	Cell, Module, Equipment
3	Zhu Jingbing	Sunman ( 上迈 )	Cell, Module, Material
4	Zhang Zhen	Hohai University ( 河海大学 )	Cell, Module, Material, System

# SEMI working group member



41 companies

# Members of PV Module Task Force 表1

共41家单位， 59位成员 / 59members in 41companies

No.	Name	Company	Industry Chain	No.	Name	Company	Industry Chain
1	Jin yunhong, Wang Le, Yan Ping	Trinasolar ( 天合光能 )	Cell/Module/Material	12	Ge Yiyan	Hx glass ( 鸿协 )	Material
2	Ren Gaigai, Li Huiling	LERRI Solar ( 乐叶光伏 )	Cell/Module	13	Ge Shiyong, He Ke	Runma ( 润玛 )	Material
3	Chen Liping	Suntech ( 尚德 )	Others	14	Ni Jianxiong, Li Yingye	Yingli ( 英利 )	Module/System
4	Wu Yaozhong	TÜV SÜD ( 南德 )	Cell/Module	15	Zhang Fujia, Yang Zhiquan	Redsolar ( 红太阳 )	Module/Equipment
5	Guo Suqin	CSI ( 阿特斯 )	Equipment	16	Mai Yaohua	Jinan University ( 暨南大学 )	Cell/Module
6	Li Jiansheng	FuJian Metrology Institue ( 福建计量院 )	Cell/Module	17	Yun Min , Lu Jiayan	CPVT ( 国检光伏 )	Module
7	Deng Xia	Share Power ( 羲和 )	Module	18	Amy Guo, Christos Monokroussos, Dawei Xing, Abby Xie	TUV Rheinland ( 莱茵 )	Module
8	Yang Heng, Xue Xingwang, Gui Yong.	Darbond ( 德邦 )	Module	19	Mei Xiaojun	PI China	Others
9	Zhou Xuemei, Wen Lei	LiChang Photovoltaic ( 浙江利昌 )	EVA	20	Wei Xinhai	LDK ( 赛维 )	Module
10	Li Ning , Bai Xiaolong	Jinko ( 晶科 )	Module	21	Ni Zhichun, Wei Qingzhu	Talesun ( 中利腾晖 )	Cell/module/System
11	Lu Zhonglin, Tang Baisheng	Sunportpower ( 江苏日托 )	Cell/Module	22	Lu xiaoman, Liu Jiangfeng	Xinyang Normal University ( 信阳师范 )	Equipment



# Members of PV Module Task Force 表1（续）

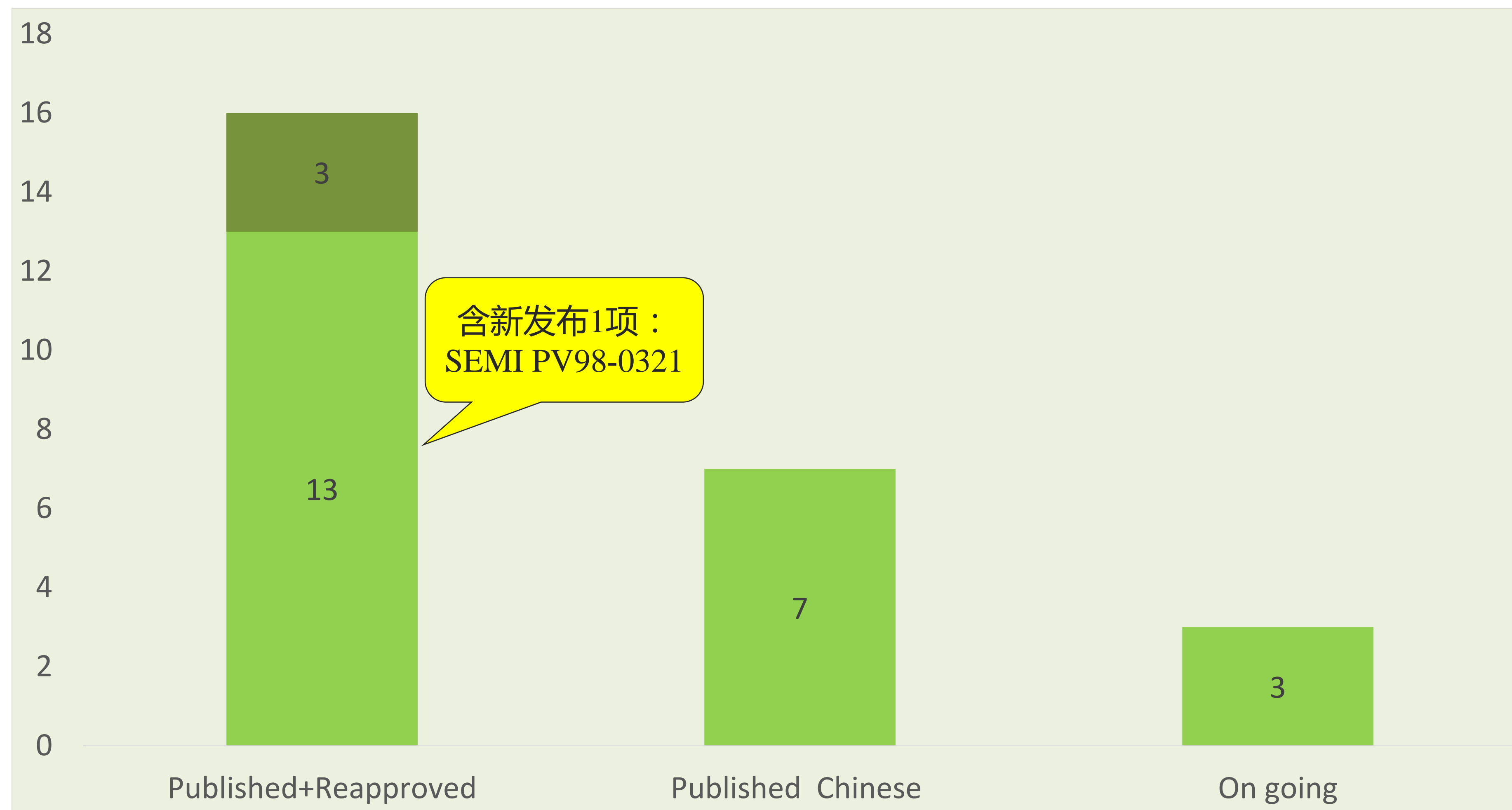
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No.	Name	Company	Industry Chain	No.	Name	Company	Industry Chain
23	Li Huafeng	Lucky Film ( 乐凯胶片 )	Material	33	Xu Ying	Hebei University	Others
24	Stephen Gong	Cybrid Technologies ( 苏州赛伍 )	Others	34	Bai Yan	Hanergy/汉能	Module
25	Wu Yanrong	GCL ( 协鑫 )	Smart module/System	35	Zhang Jiayun	汉高	Material
26	Like He	上实龙创	Cell/Module	36	Leo Liu	UMS	Others
27	Yang Chuanfu, Liu Sijia	Lightway ( 光为绿色 )	Cell/Module	37	Chen Jia	中来光电	Material
28	Wang Tong	SunChine ( 尚灿 )	Module/Material	38	Cheng Xiaojuan	LDK	Module
29	Chen Chao	ASIC PY ( 沛煜光电 )	Test	39	Li Ningda	北京鉴衡	Module
30	Zeng Xiangchao	西安和光智能	EL Test &So on.	40	Hu Yuting	东方日升	Module
31	Xu Desheng	Shanghai JA solar ( 晶澳 )	relibility test/Module	41	Shang Wenyu	上海贺利氏	Material
32	Ning Haiyang	BKC Materials ( 拜科 通新材料 )	Material				

# 退出人员名单:

No.	Name	Company	Industry Chain
1	Geng Xiaoju	Xinyang Normal University ( 信阳师范 )	Equipment
2	Zhao Tongrong	Linyang ( 林洋科技 )	Cell/Module
3	Wei Shimeng	TUV NORD	Cell/Module
4	Zhang Zhiying	Hanergy/汉能	Module
5	Hu Hongjie	DuPont ( 杜邦 )	Material and Test
6	Li Huiling	Lightway ( 光为绿色 )	Cell/Module
7	Wang Zhanyou	Lightway ( 光为绿色 )	Cell/Module
8	Zhu haojie	Sunportpower ( 江苏日托 )	Cell/Module
9	Yu Bo,	Yingli ( 英利 )	Module/System
10	Hu Dan	CPVT ( 国检光伏 )	Module
11	Qin Weiguo	CPVT ( 国检光伏 )	Module
12	Zhou Wei	Halm	Others

# Work Summary of PV Module Task Force





# Standards had been published（16项）表2

NO.	Standard Number	Title	Editor	Chinese Verion
1	SEMI PV44-0513	Specification for package protect for PV module/ 光伏组件包装保护技术规范	Trina/ 天合	Published/ 已发布
2	SEMI PV45-0513	Vinyl Acetate (VA) content test method for Ethylene-Vinyl Acetate (EVA) applied in photovoltaic modules-TGA/ 光伏组件用EVA VA含量测试方法-TGA	Trina/ 天合	Published/ 已发布
3	SEMI PV47-0513	Specification for Anti-Reflective Coated Glass, Used in Crystalline Silicon Photovoltaic Modules / 晶体硅光伏组件用抗反射镀膜玻璃技术规范	Suntech/ 尚德	Published/ 已发布
4	SEMI PV61-0115	Specification for Framing Tape for PV Modules/ 光伏组件用封框胶带技术规范	Yingli/ 英利	Published/ 已发布
5	SEMI PV62-0215	Terminology for Back Contact PV Cell and Module / 背接触光伏电池和组件术语	Sibco/ 昆山希铂	Published/ 已发布
6	SEMI PV63-0215	Specification for Ultra-thin glasses used for photovoltaic modules/ 光伏组件用超薄玻璃	Trina/ 天合	Published/ 已发布
7	SEMI PV77-0817	Guide for Calibration of PV Module UV Test Chambers/ 光伏组件用紫外老化试验箱辐照性能测量方法	FJIL/ 福建计量	Published/ 已发布
8	SEMI PV82-0318	Specification for Dual-glass Module with Crystalline Silicon Terrestrial Solar Cell/地面用双玻组件规范	Trina/ 天合	



# Standards had been published (16项) 表2 (续)

NO.	Standard Number	Title	Editor	Chinese Verion
9	SEMI PV83-0318	Guide for Sample Preparation Method for Photovoltaic Backsheet Performance Tests/太阳能背板性能测试制样指南	YingLi/ 英利	
10	SEMI PV85-1018	Practice for Metal Wrap Through (MWT) Back Contact PV Module Assembly/金属贯穿背接触光伏组件组装实践	Hohai University 河海大学 /Trina 天合	
11	SEMI PV86-1018	Specification for Crystalline Silicon Photovoltaic Module Dimensions/光伏晶体硅组件尺寸规范	CSI/ 阿特斯	
12	SEMI PV47-0513 ( Reapproved )	Reapproval of SEMI PV47-0513, Specification for Anti-Reflective Coated Glass, Used in Crystalline Silicon Photovoltaic Modules/ 晶体硅光伏组件用减反射镀膜玻璃技术要求	Suntech/ 尚德	
13	SEMI PV44-0513 ( Reapproved )	Specification for package protect for PV module/ 光伏组件包装保护技术规范	Trina/ 天合	
14	SEMI PV45-0513 ( Reapproved )	Vinyl Acetate (VA) content test method for Ethylene-Vinyl Acetate (EVA) applied in photovoltaic modules-TGA/ 光伏组件用EVA VA含量测试方法-TGA	Trina/ 天合	
15	SEMI PV94-0420	Test Method for Cell Defects in Crystalline Silicon PV Modules by Electroluminescence (EL) Imaging/ 晶体硅光伏组件电池片缺陷电致发光测试方法	Trina 天合/ CSI 阿特斯/ Fjjl 福建计量院	
16	SEMI PV98-0321	Specification for Silicon Adhesive for the Back Rail Fixture on Photovoltaic (PV) Modules 光伏组件背梁用硅酮胶规范	Trina/ 天合	



# Standards in Working Process （3项）

NO.	Number	Title	Development
1	DOC 6113 CSI	Test Method for Abrasion Resistance of the Polymer Backsheet of Crystalline Silicon Solar Modules/ 晶体硅太阳能电池组件用聚合物背板耐磨性能测试方法	Submit draft and plan to global voting / 提交Draft稿，计划参加全球投票
2	Doc 6610 CSI	Specification for Crystalline Silicon Photovoltaic Module Dimensions ( Revision to PV86-1018 ) / 晶体硅太阳能光伏组件尺寸规范	Edit of draft is ongoing / Draft 稿进行中
3	SEMI PV63-0215 Revise Trina	Specification for Ultra-thin glasses used for photovoltaic modules/ 光伏组件用超薄玻璃	Edit of draft is ongoing / Draft 稿进行中

备注：

- 1. Doc 6113 本次申请全球投票、争取秋季会议发布；
- 2. Doc 6610 计划秋季会议申请全球投票，2022年春季会议能发布；
- 3. SEMI PV63 修订情况，目前行业内数据收集中，争取秋季会议汇报。



THANK YOU