



EU PVSEC 2024 Acronyms List of the Conference Programme

The EUPVSEC Programme contains the Presentation titles as submitted by the corresponding authors. The acronyms appearing in the titles we would like to better explain to the whole audience. We omitted more obvious acronyms (like "PV"), and chemical designations (like "CuInS₂")

Acronym	Name
AACE	Aluminium-Assisted Chemical Etching
ANN	Artificial Neural Network
AZO	Antimony-Tin Oxide
BAPV-T	Building Applied PhotoVoltaic-Thermal
BAPV-T	Building Applied PV-Thermal Hybrid
BESS	Battery Energy Storage System
BIM	Building Information Modelling
BIPV	Building Integrated PV
c-AFM	conductive Atomic Force Microscope
CAMS	Copernicus Atmosphere Monitoring Service
CIGS solar cell	Copper Indium Gallium Selenide solar cell
CMV	Command Motion Vectors
CSER	Climate Specific Energy Rating
CSI	Current Source Inverter
CSP	Concentrated Solar Power
CVD	Chemical Vapor Deposition,
CZ	Czochralski (method of Crystal Growth)
CZTS	Copper Zinc Tin sulfide (CZTS)
DIC	Digital Image Correlation
DLTS	Deep Level Transient Spectroscopy
DMF	Dimethylformamide (Solvent for Chemical Reactions)
DoE	Department of Energy (US)
EBA	Ethylene Butyl Acrylate
ECMWF IFS- HRES	European Centre for Medium-Range Weather Forecast High Resolution Integrated Forecast System
EL-Images	Electro-Luminescence Images
EQE	External Quantum Efficiency
EVA	Ethylene-vinyl acetate,
FEM	finite element method
FMEA	Failure mode and effects analysis



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FPV	Floating PV
FZ	Floating Zone (method of Crystal Growth)
GIS	Geographic Information Systems
GPT-3	Generative Pre-trained Transformer 3
HJT	Hetero-Junction Tandem
HSAT	Horizontal Single Axis Trackers
HTM	Hole Transporting Material
IBC	also Interconnected Back Contact
IBC-SHJ	Interdigitated Back-Contact – Silicon Hetero Junction
IEA HEV-TCP	International Energy Agency Hybrid and Electric Vehicle Technology Collaboration
PVPS	Programme Photovoltaic Power Systems Programme
IFS-COMPO	Integrated Forecast System – Atmospheric Composition
ITO	Indium Titanium Oxide
KPFM	Kelvin Probe Force Microscope
LCA	Life Cycle Assessment
LCOE	Levelized Cost of Electricity
LECO	Laser Enhanced Contact Optimization
LeTID	Light and elevated Temperature Induced Degradation
LSC	Luminescent Solar Collectors or Concentrators
MACI	methyl ammonium chloride
MPP	Maximum Power Point
MPPT	Maximum Power Point Tracker
NSRDB	National Solar Radiation Database
OPV	Organic PV
PCM	Phase-Change Material
PEAI	Phenethylammonium iodide is a precursor used in the preparation of perovskite-based devices
PECVD	Plasma-enhanced chemical vapor deposition
PEDOT:PSS	poly(3,4-ethylenedioxythiophene) polystyrene sulfonate (Conductive and Flexible Polymer)
PERC	Passivated Emitter and Rear Contact
PID	Potential Induced Degradation
POA	Plane of Array
POE	Polyolefin Elastomer
POLO IBC	Polysilicon on Oxide Junctions
PV ICE	Photovoltaics in the Circular Economy
PV-BESS	Photovoltaic Plants with Battery Energy Storage Systems
PVD	Plasma Vapour Deposition
RTA	Rapid Thermal Annealing
SALD	Spatial Atomic Layer Deposition
Spiro-OMeTAD	9,9'-spirobi[9H-fluorene]-2,2',7,7'-tetramine, N2, N2,N2',N2',N7,N7,N7',N7'-octakis(4-methoxyphenyl)-[Hole-Transport material used in Perovskites]
STC	Standard Test Conditions
TCAD	Technology Computer-Aided Design
TCO	Transparent Conductive Oxides
TOPCon	Tunnel Oxide Passivated Contact



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TPV	Thermophotovoltaic
TRL	Technology Readiness Levels
UV	Ultraviolet
VIPV	Vehicle Integrated PV
XPS	X-ray Photoelectron Spectroscopy
XRD	X-Ray Diffraction (non-destructive technique for characterizing crystalline materials)
x-Si	Crystalline Silicon
ZEBRA	ISC Konstanz development of IBC Solar Cells