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LIST OF SYMBOLS AND ABBREVIATIONS

PH	Perovskite Halide
PV	Photovoltaics
VB	Valence Band
CB	Conduction band
I_{sc}	Short Circuit Current
J_{sc}	Current Density
V_{oc}	Open Circuit Voltage
P	Power
P_{max}	Maximum Power Output
P_{in}	Power Incident
FF	Fill Factor
PCE (η)	Power Conversion Efficiency
R_s	Series Resistance
R_{sh}	Shunt Resistance
I-V	Current – Voltage
I_0	Reverse Saturation Current
I_L	Photo-generated Current
I_m	Maximum Current
V_m	Maximum Voltage
AM	Air Mass
DSSC	Dye-Sensitized Solar Cell
PSC	Perovskite Solar Cell
MA	Methyl ammonium
FA	Formamidinium
ETL	Electron Transport Layer

EDAI	Ethylenediammonium Iodide
TFEA	Trifluoroethylamine
AVAI	Aminovaleric acid Iodide
MDMC	Mixed Dimensional and mixed Compositional
HTL	Hole Transport Layer
HTM	Hole Transport Material
SCLC	Space Charge Limited Current
EDX	Energy Dispersive X-Ray Analysis
E_g	Band Gap
$h\nu$	Photon Energy
E_u	Urbach Energy
eV	Electron volt
meV	Mili electron Volt
FWHM	Full width at half maximum
g	Gram
K	Kelvin
M.P.	Melting Point
JCPDS	Joint Committee on Powder Diffraction Standards
LED	Light Emitting Diode
ΔG	Gibbs Free Energy
ΔS	Entropy
ΔH	Enthalpy
RT	Room Temperature
Å	Angstrom
mg	milligram
N	Avogadro's number
cm	Centimeter

μm	Micro-meter
W/m^2	Watt per meter square
mV	mill volt
nm	nanometer
SSR	Solid State Reaction
SEM	Scanning Electron microscope
UV-Vis	Ultraviolet-Visible
DSC	Differential Scanning Calorimetric
XRD	X-ray Diffraction
DMF	Dimethylformamide
DI	Deionized

