SOLAR FABRICS

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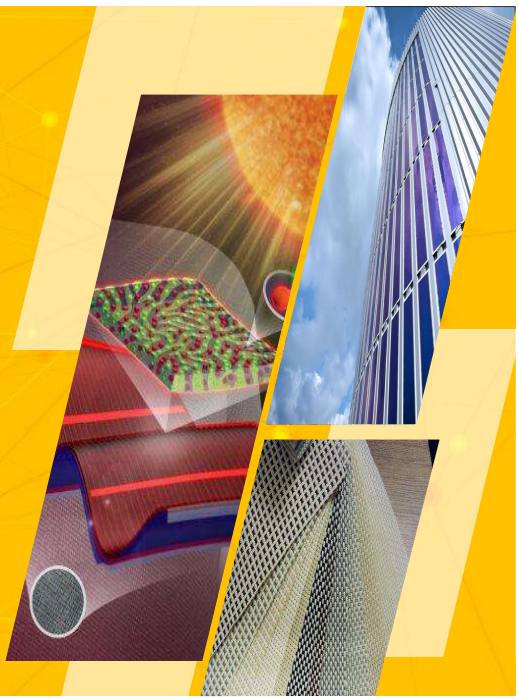
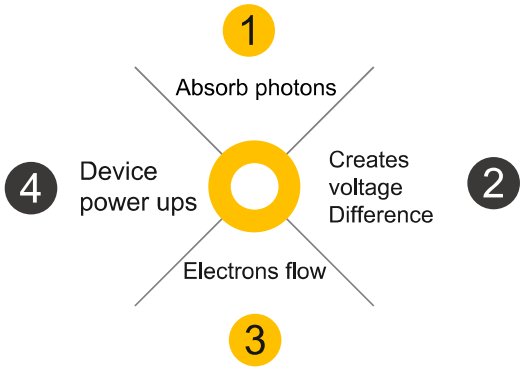


INTRODUCTION

WORKING PRINCIPLE



WHY SOLAR CELLS IN TEXTILES?

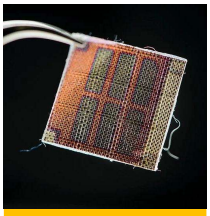
Advantages

1

Absorb sunlight from any direction

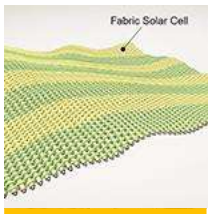
2

Eco-Friendly



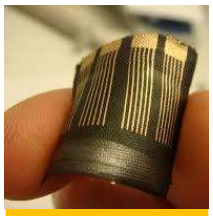
3

Low Manufacturing Cost



4

Light-weight



5

Flexible

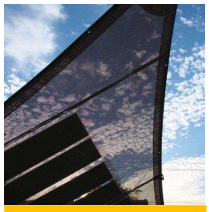
Advantages

6

Low Operating Cost

7

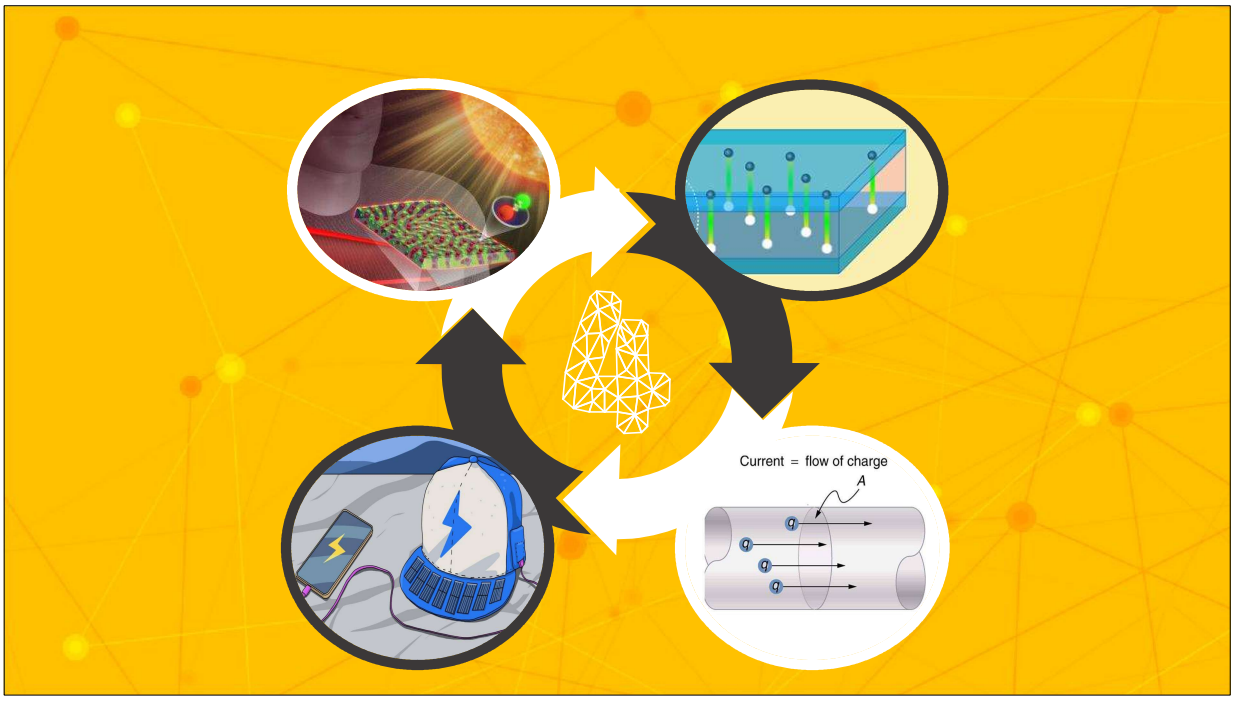
Electricity any time



8

Cost free resource

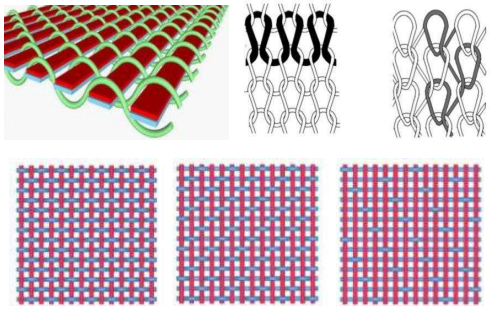
WORKING MECHANISM



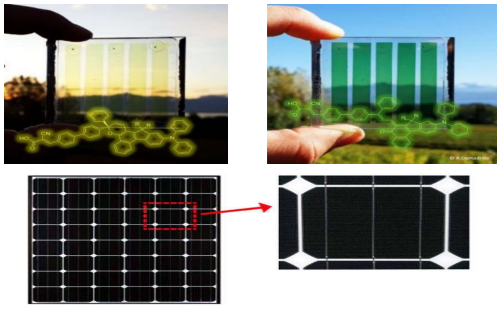
FABRICATION

Materials and Fabrication

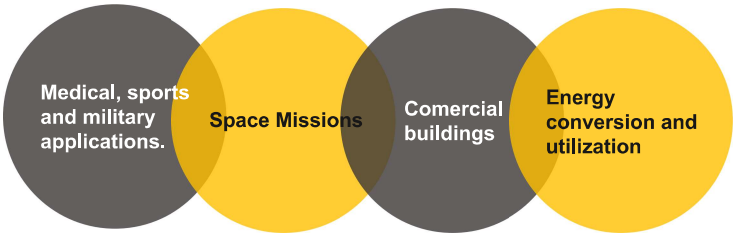
What do we mean by Solar Fabrics?



Materials used for flexible Solar Textiles

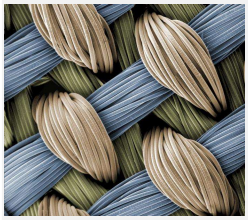


Applications



Shortcomings

1



Less effective approach for bonding solar cells with fabric.

2

Economical as well as environmentally safe.

3

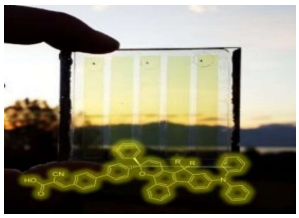
Adjust accordingly with external conditions

4

Flexible wearale battries should be used.

ONGOING DEVELOPMENTS

Recent Works



Clothing giants to invest into solar fabrics.

1

Silicon p-i-n fibres(inorganic photo voltaic)

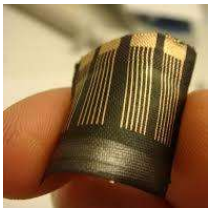
2

Dye synthesized solar cells(DSC)

3

4

Fabrics adjustable in weather conditions



THANKYOU