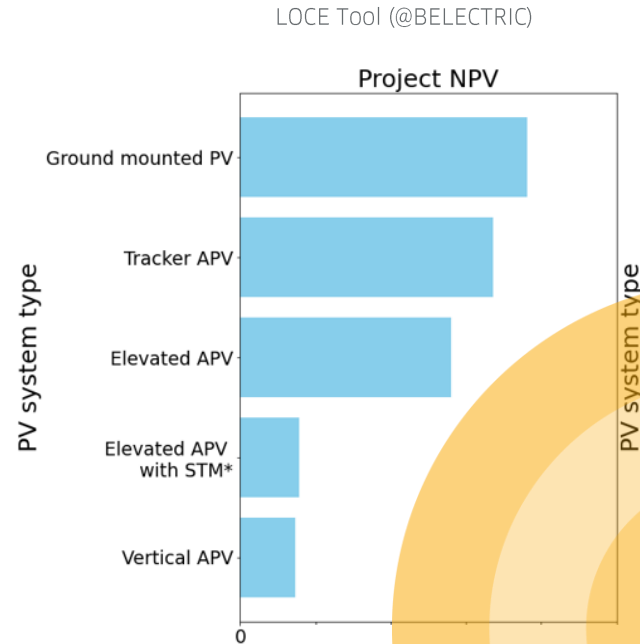


# Net Present Value of AGRI PV Designs

## Case study East GER

- **Ground mounted PV** remains **the most profitable** PV design
- In terms of APV, 2P **trackers achieve the highest NPV**
- **Vertical APV** resulted in the **lowest NPV** for this project



\* 10% Transparency was assumed for semi transparent PV modules

# Land Equivalent Ratio as an Indicator for Land Efficiency

## Case study East GER

$$\text{LER (\%)} = \frac{\text{Crop yield}_{\text{apv}} \cdot (1 - \text{land losses})}{\text{Crop yield}_{\text{ref}}} + \frac{\text{PV yield}_{\text{apv}}}{\text{PV yield}_{\text{ref}}}$$

$$\text{LER} = 1720 \text{ kg/ha} / 2546 \text{ kg/ha} + 1231 \text{ MWh/ha} / 1859 \text{ MWh/ha}$$

→ 134%

