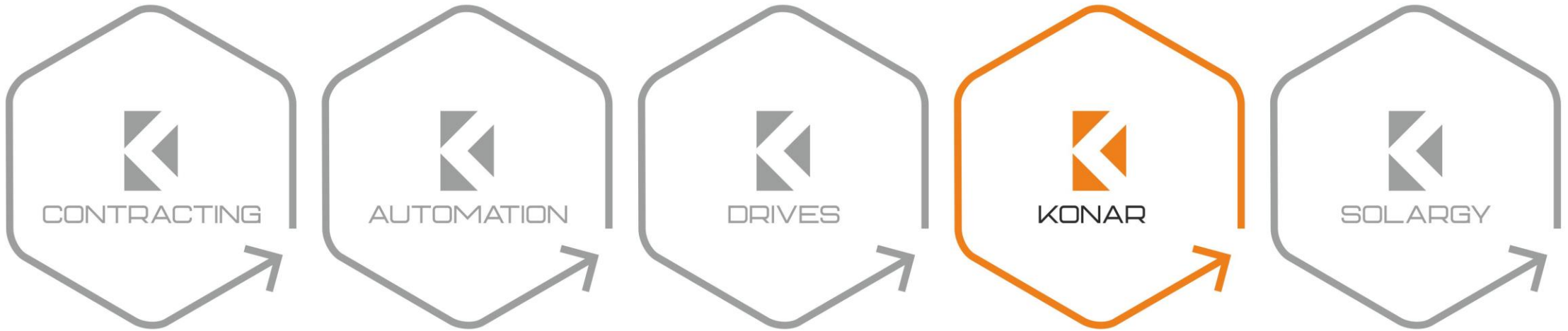




# KONTEK

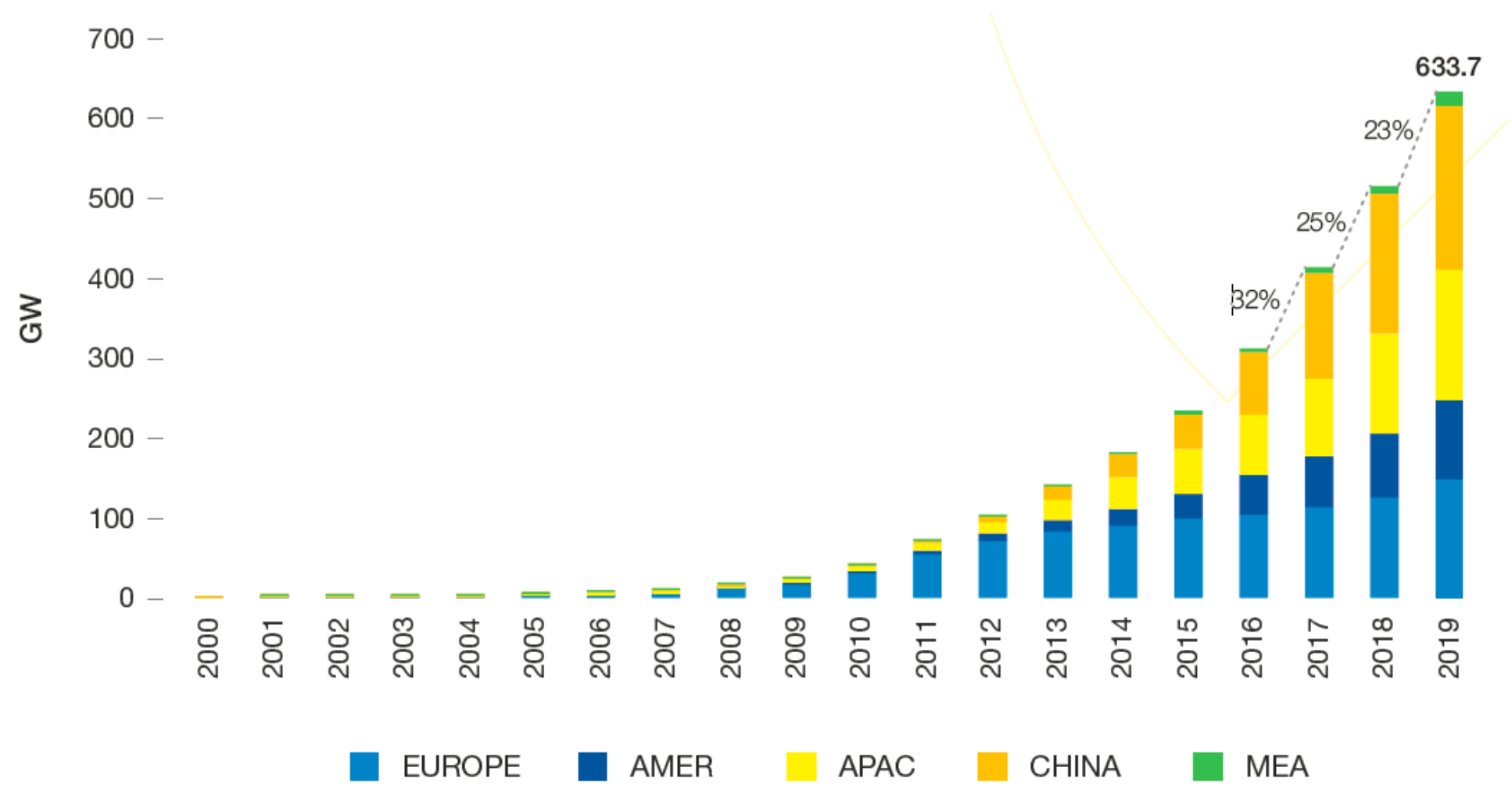


*For Infinite & Continuous  
Energy*

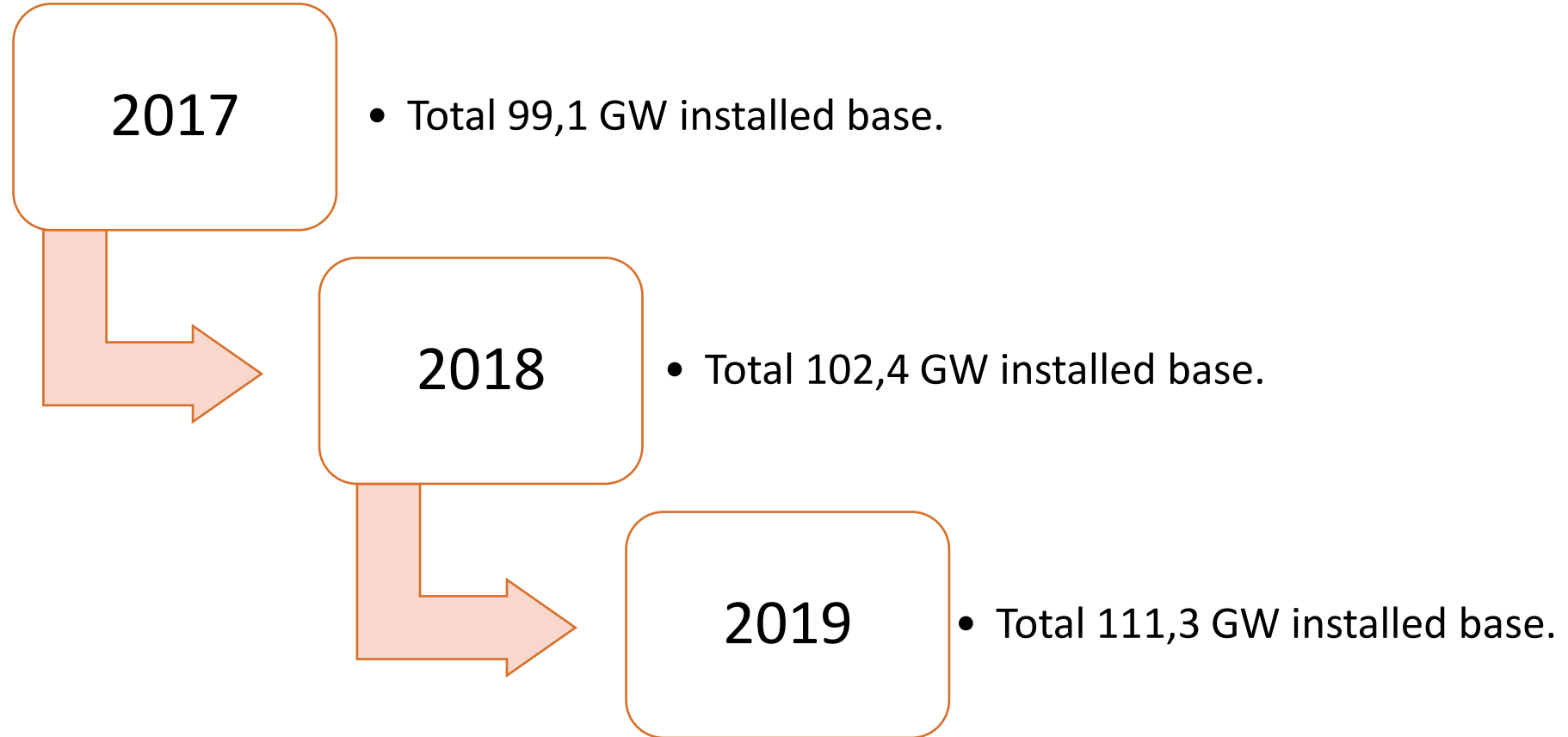
2020 – 2024  
PV WORLD OUTLOOK



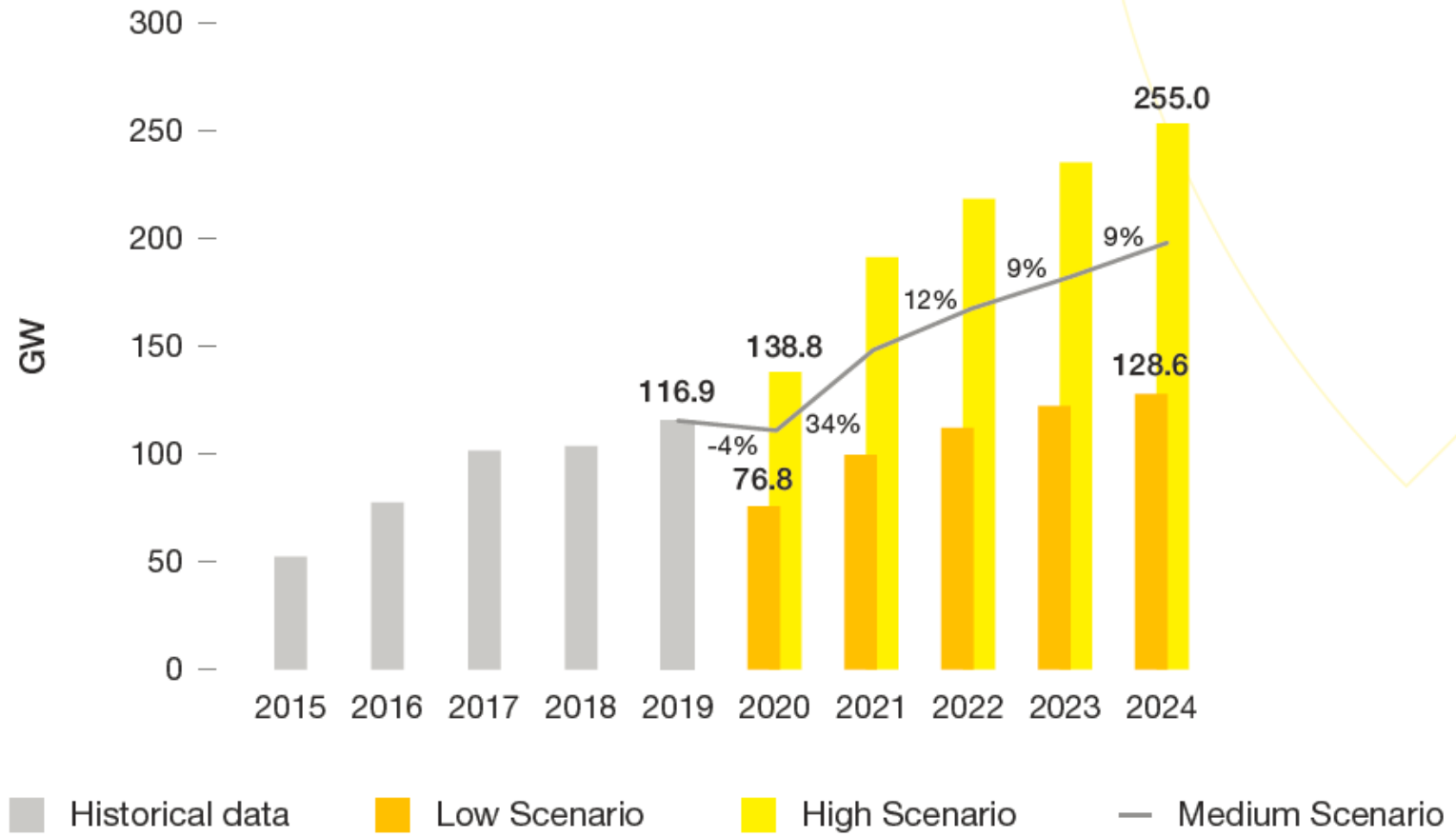
## PV INSTALLED BASE IN THE WORLD(2000 – 2019)



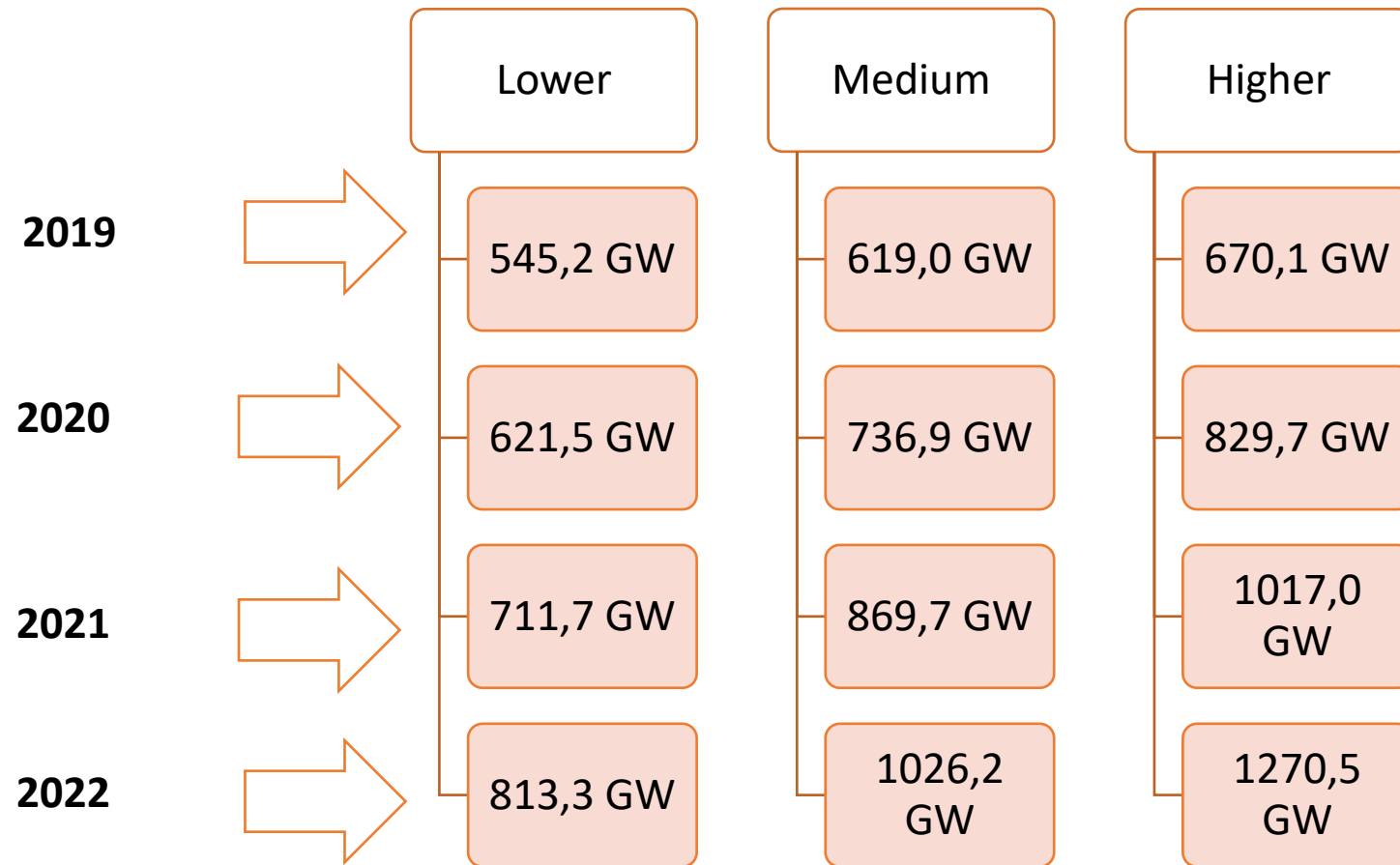
## PV WORLD OUTLOOK (2017 – 2019)



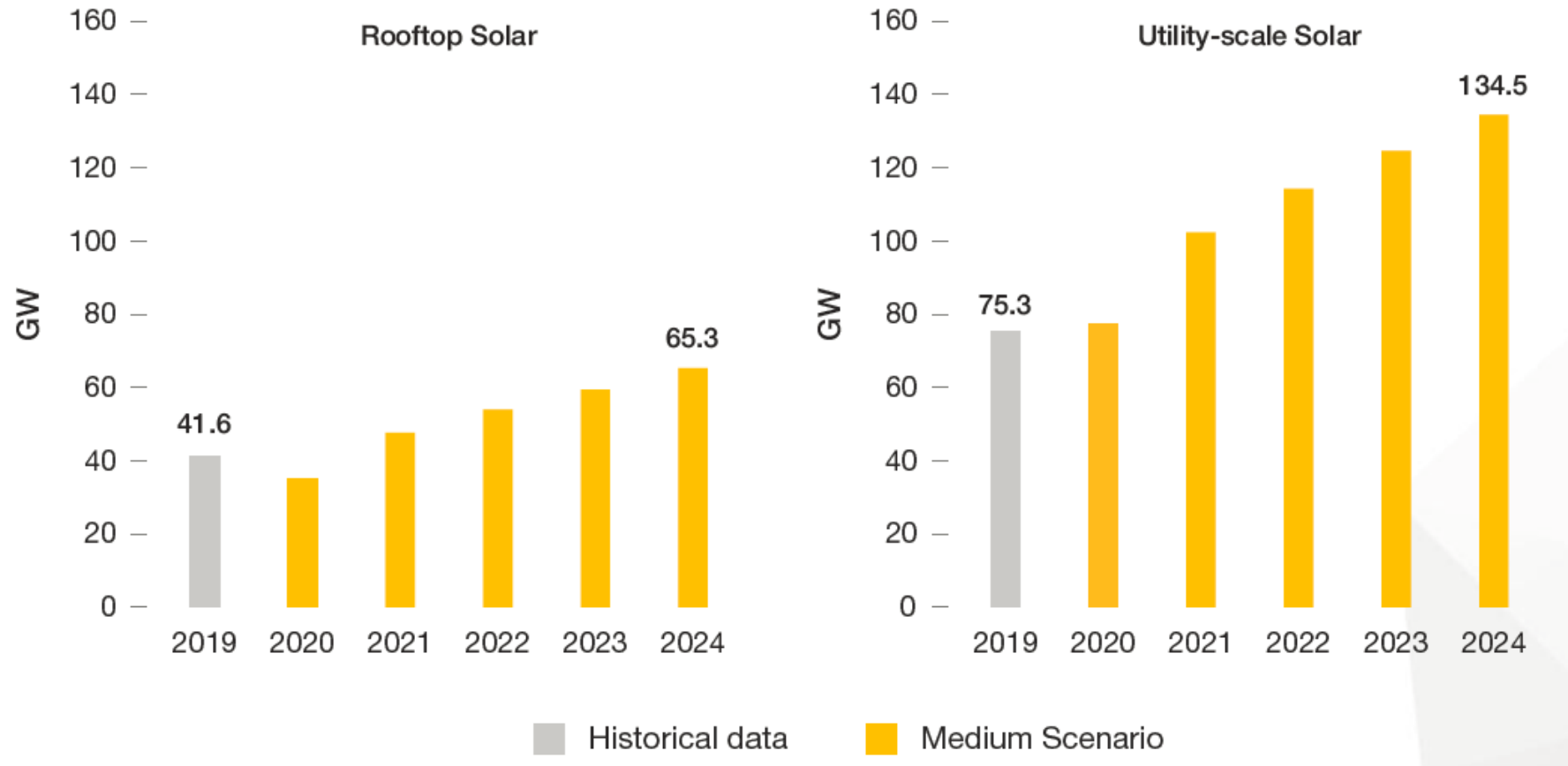
## FUTURE PROGRESS SCENERIOS in PV (2020 – 2024)



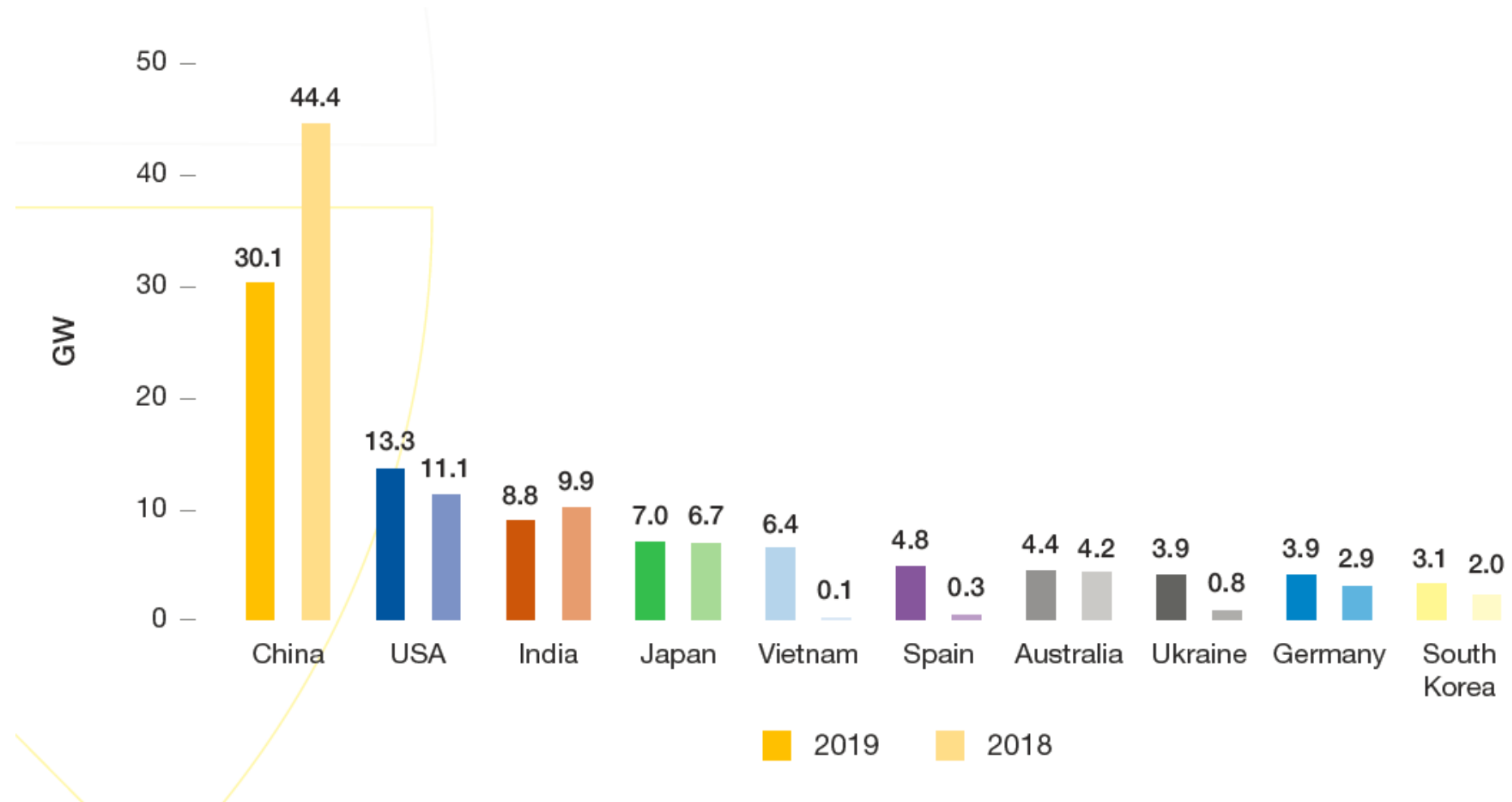
## FUTURE OF PV (2019 – 2022)



## ROOFTOP & FILED PV OUTLOOK

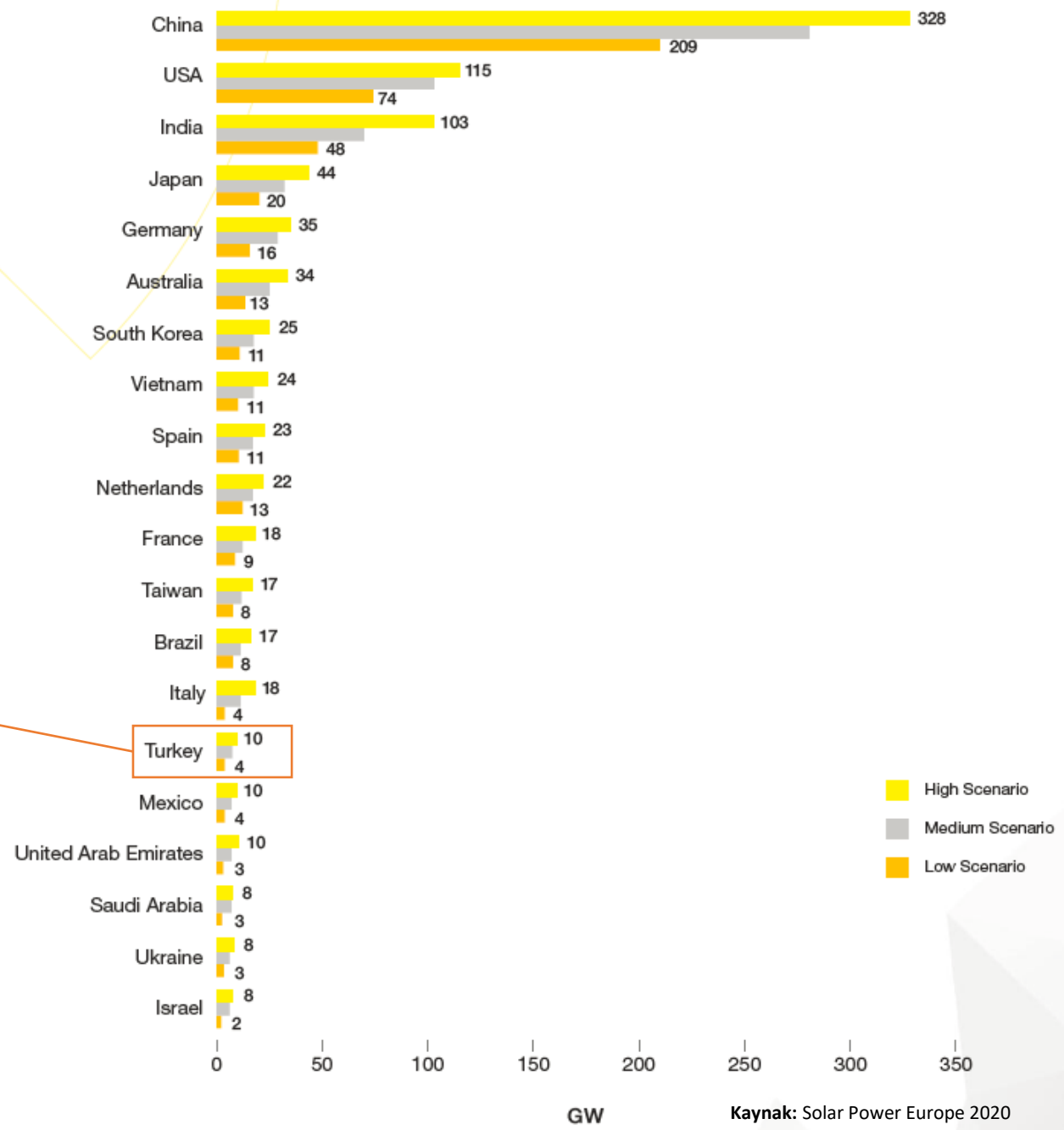


## LEADING COUNTRIES ON THE PV INSTALLATIONS (2019 – 2020)























## COUNTRY-BASED FORECAST OF THE PV INSTALLATIONS IN 2020 - 2024



## COUNTRY-BASED FORECAST OF THE PV INSTALLATIONS IN 2020 - 2024

	2019 TOTAL CAPACITY (MW)	2024 TOTAL CAPACITY MEDIUM SCENARIO BY 2024 (MW)	2020 - 2024 NEW CAPACITY (MW)	2020 - 2024 COMPOUND ANNUAL GROWTH RATE (%)	POLITICAL SUPPORT PROSPECTS
China	205 187	485 987	280 800	19%	
United States	76 119	178 869	102 750	19%	
India	42 031	111 881	69 850	22%	
Japan	62 951	95 076	32 125	9%	
Germany	49 729	78 643	28 914	10%	
Australia	15 977	40 168	24 191	20%	
South Korea	10 872	28 456	17 584	21%	
Vietnam	6 458	23 720	17 262	30%	
Spain	10 641	27 734	17 093	21%	
Netherlands	6 559	23 495	16 936	29%	

## COUNTRY-BASED FORECAST OF THE PV INSTALLATIONS IN 2020 - 2024

	2019 TOTAL CAPACITY (MW)	2024 TOTAL CAPACITY MEDIUM SCENARIO BY 2024 (MW)	2020 - 2024 NEW CAPACITY (MW)	2020 - 2024 COMPOUND ANNUAL GROWTH RATE (%)	POLITICAL SUPPORT PROSPECTS
France	9 874	22 033	12 159	17%	
Taiwan	4 151	15 977	11 826	31%	
Brazil	4 460	15 935	11 475	29%	
Italy	20 600	31 904	11 304	9%	
Turkey	5 994	13 139	7 145	17%	
Mexico	4 940	11 863	6 923	19%	
United Arab Emirates	2 009	8 789	6 780	34%	
Saudi Arabia	478	7 185	6 707	72%	
Ukraine	5 937	12 058	6 121	15%	
Israel	2 104	7 999	5 895	31%	

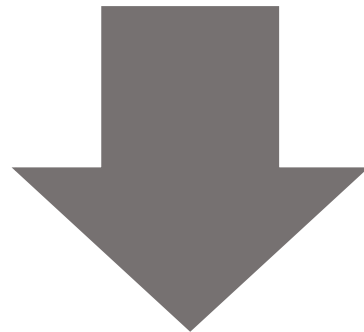
Kaynak: Solar Power Europe 2020

## PVTECH of THE FUTURE (2019 – 2024)



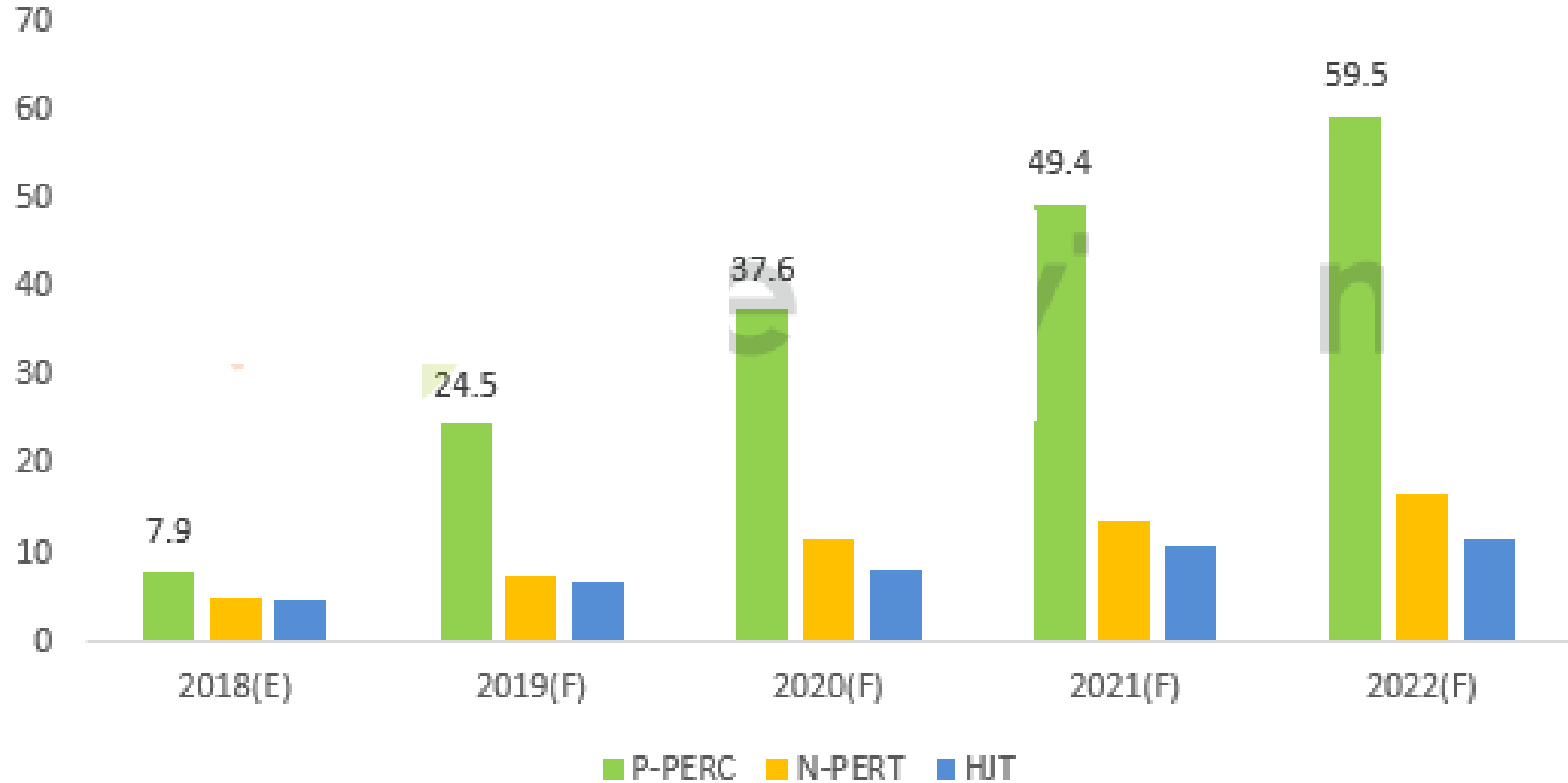
MonoPERC c-Si

Bifacial MonoPERC c-Si



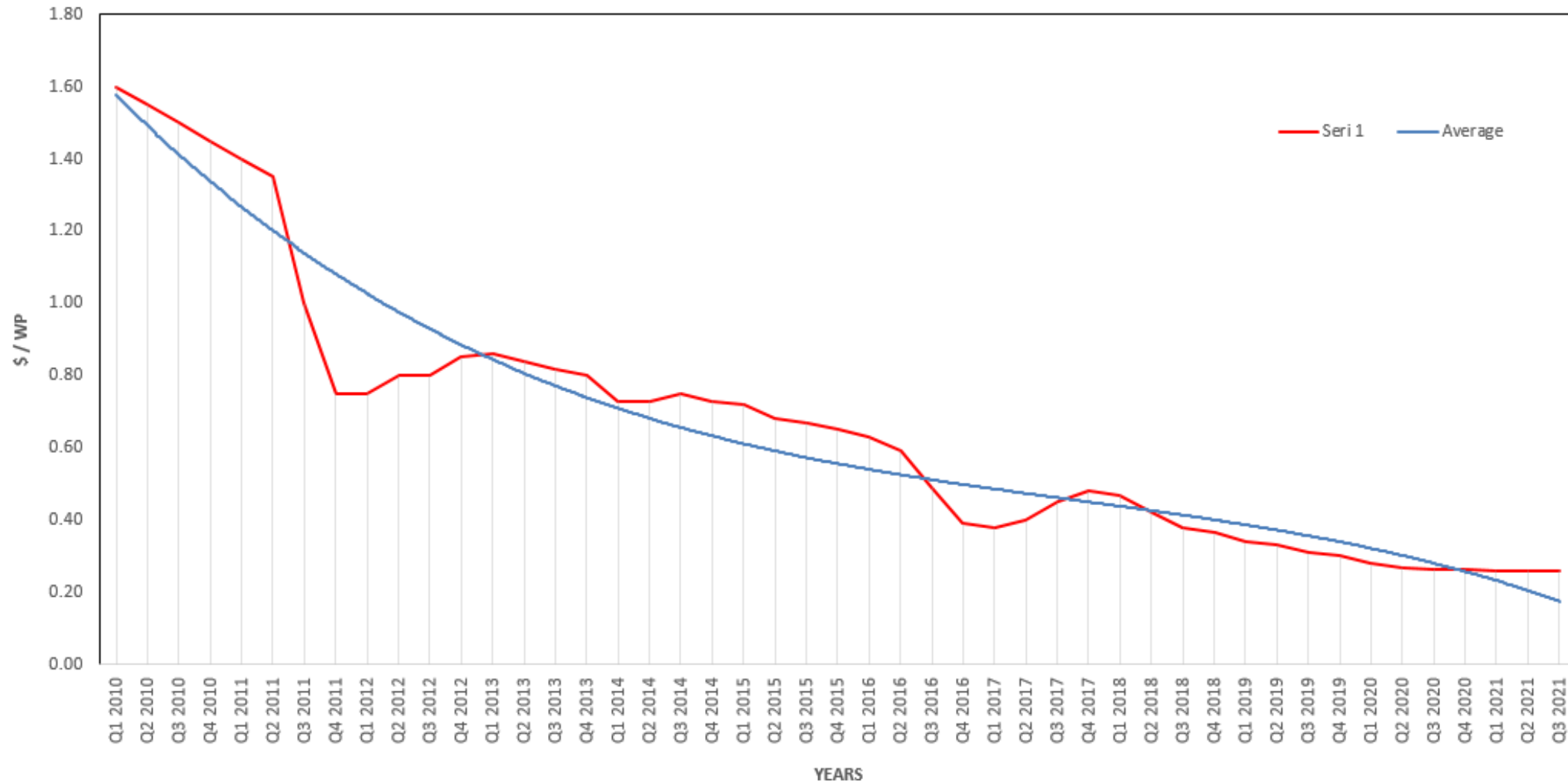
PolyPERC c-Si

## BIFACIAL MONOPERC C-SI



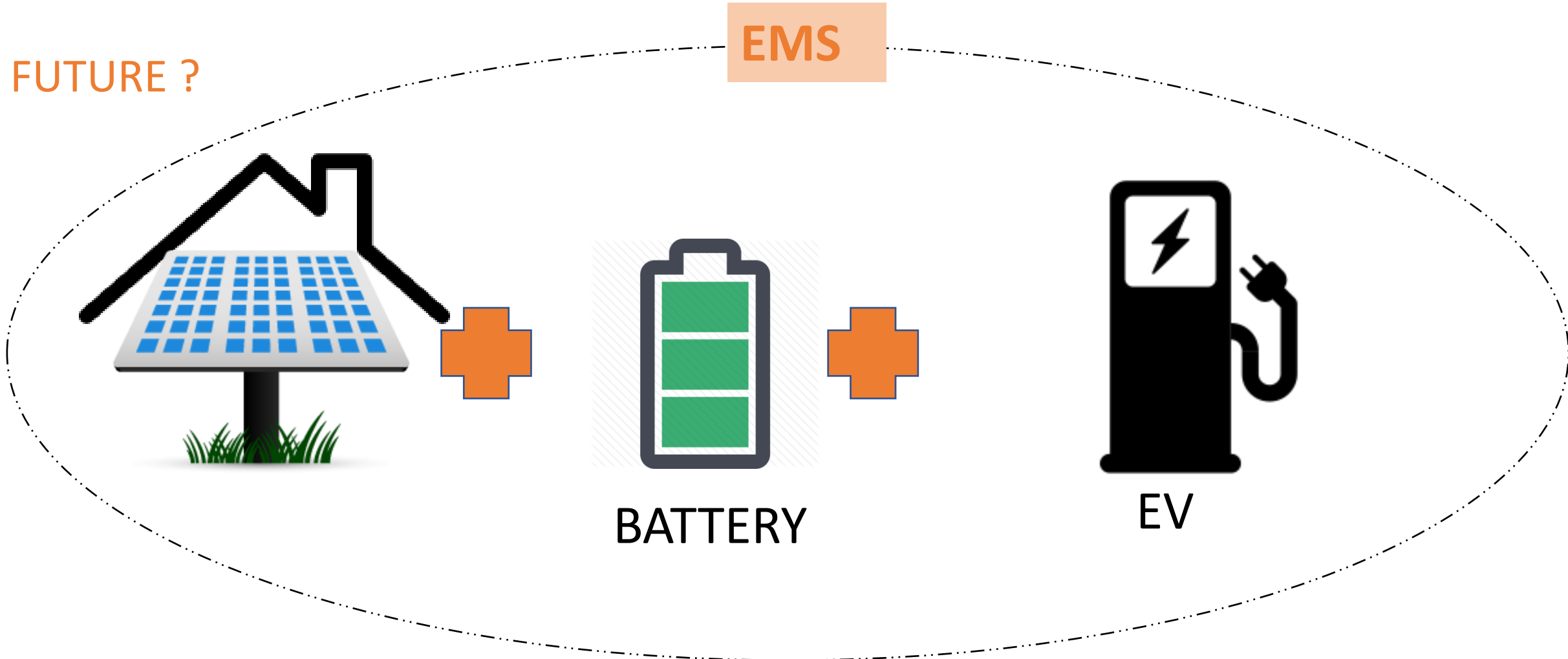


## PV PANEL PRICES HISTORY(2010 – 2021)



EMS

FUTURE ?



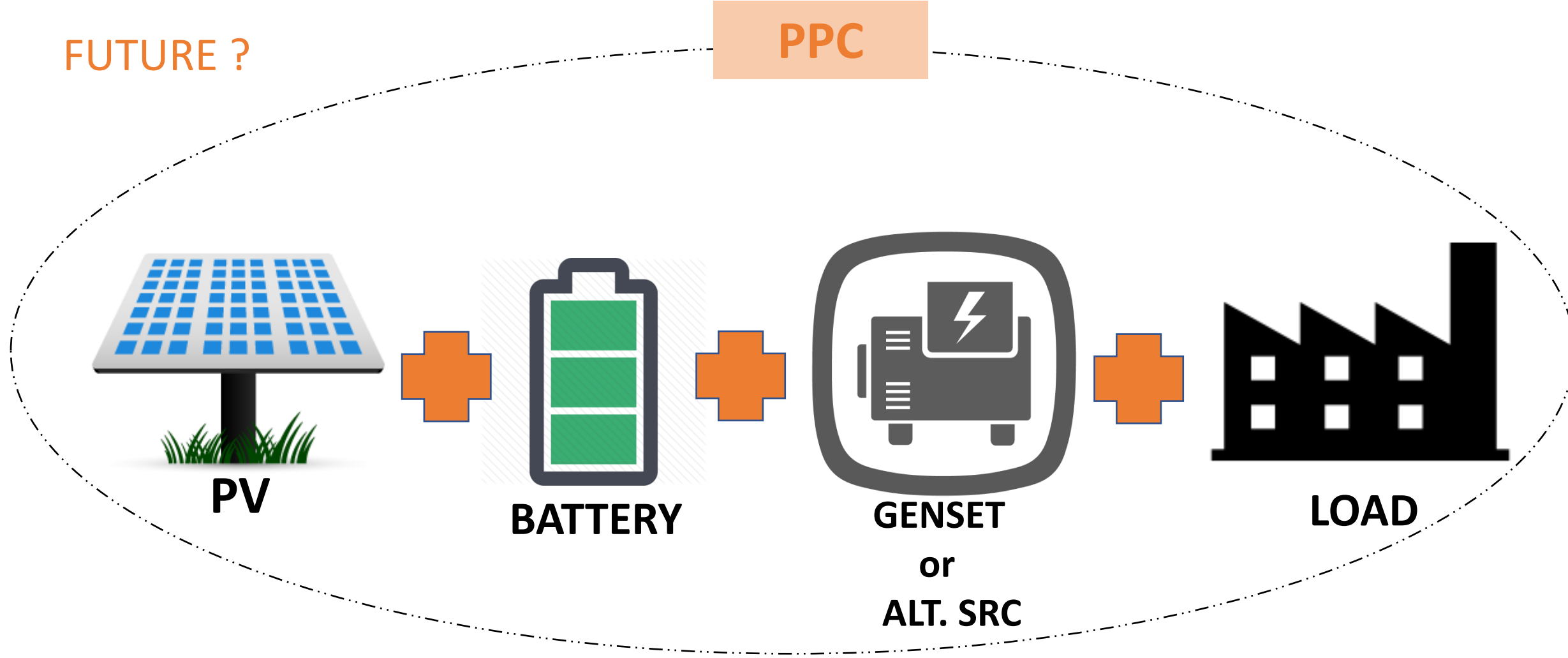
BATTERY

EV

ROOFTOP

FUTURE ?

PPC



**MICROGRIDS WITH C&I ROOFTOP PV PROJECTS**





**KONAR**  
"SOLAR EPC"



*Thanks.*