

Solar power where you need it most

Improve performance and efficiency with Clear Tedlar® film

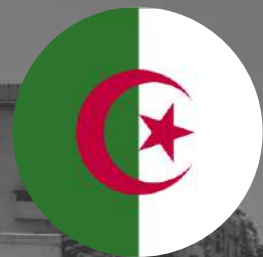
Compared to a glass-glass module, modules using Clear DuPont™ Tedlar® PVF film are 30% lighter for easier installation and transportation and are highly breathable to help prevent corrosion. For greater output and long-lasting protection for your PV system, the choice is clear.

Materials Matter™

DuPont Photovoltaic Solutions
photovoltaics.dupont.com

DuPont™, the DuPont Oval Logo, and all trademarks and service marks denoted with ™, SM or ® are owned by affiliates of DuPont de Nemours, Inc. unless otherwise noted. © 2021 DuPont.

CLEAR
DuPont™
Tedlar®



OBJECTIVES

- renewable energy development program of 22,000 MW by 2030, out of which 16,300 MWp of PV [link](#)
- abandon of 4,000 MWp Tafouk1 project by 2024 [link](#)

TOTAL PV / CSP INSTALLED

LARGE SCALE		343.1 MWp PV + 25 MWe CSP
C&I		11.7 MWp
MG		0 MWp
SHS & RESIDENTIAL		0 MWp

source [AFSIA](#) [IRENA](#)

CURRENT TARIFF GRID ELECTRICITY

	RESIDENTIAL	COMMERCIAL	INDUSTRIAL
MIN.	\$0.001	\$0.032	\$0.032
MAX.	\$0.041	\$0.041	\$0.041

[source](#)

POLICY / REGULATION

- 30% import duties on foreign solar panels
- no limit of self-consumption
- no FiT, no net-metering

ELECTRIFICATION RATE

- 99.8% of the population has access to electricity [link](#)

NOTEWORTHY DEVELOPMENTS

- launch of 2 x 500 MWp tender in 2021 [link](#)



ANGOLA

OBJECTIVES

- 9.9 GW of installed generation capacity by 2025, up from current 6.4 GW [link](#)
- 600 MWp through 30,000 MGs by 2022 [link](#)

TOTAL PV INSTALLED

LARGE SCALE	0 MWp
C&I	0 MWp
MG	0 MWp
SHS & RESIDENTIAL	0 MWp

source [AFSIA](#) [IRENA](#)

CURRENT TARIFF GRID ELECTRICITY

	RESIDENTIAL	COMMERCIAL	INDUSTRIAL
MIN.	\$0.004	\$0.018	\$0.015
MAX.	\$0.022	\$0.022	\$0.020

[source](#)

POLICY / REGULATION

- in June 2019 grid electricity subsidies were cut by 85% [link](#)
- objective is to apply cost-reflective tariffs by 2025 [link](#)
- PV subject to import duties and VAT [link](#)
- no FiT, no net-metering
- no limit on self-consumption

ELECTRIFICATION RATE

- 36% of the population has access to electricity [link](#)
- 43% in urban areas and 8% in rural areas [link](#)
- objective to reach 60% electrification rate by 2025 [link](#)

NOTEWORTHY DEVELOPMENTS

- MCA Group, Hitachi ABB Power Grids and Sun Africa to build 7 large-scale plants for total of 370MWp [link](#)







BENIN

OBJECTIVES

- achieve 24.6 % of renewable energy in the energy mix by 2025 [link](#)

TOTAL PV INSTALLED

LARGE SCALE		5 MWp
C&I		0.2 MWp
MG		0 MWp
SHS & RESIDENTIAL		0 MWp

source [AFSIA](#) [IRENA](#)

CURRENT TARIFF GRID ELECTRICITY

	RESIDENTIAL	COMMERCIAL	INDUSTRIAL
MIN.	\$0.160	\$0.230	\$0.150
MAX.	\$0.280	\$0.230	\$0.310

[source](#)

POLICY / REGULATION

- all PV components, except inverters, are exempted from VAT on import [link](#)
- no net-metering and no limit on self-consumption [link](#)
- Universal Energy Facility managed by SEforALL offering RBF for mini-grid developers [link](#)

ELECTRIFICATION RATE

- 41.5% of the population has access to electricity, only 18.3% in rural areas [link](#)
- target to achieve urban and rural electrification rates of 95% and 65% by 2025 [link](#)

NOTEWORTHY DEVELOPMENTS

- 119 MGs operational and/or under construction [link](#)
- 2x10 MW + 2x15MW tendered in 2019 through MCA-Benin II [link](#)



OBJECTIVES

- 1.5 GW new capacity to be added by 2040 [link](#)
 - at least 15% renewable energy by 2030 [link](#)
- 135 MWp PV by 2022, up to 800 MWp by 2040 [link](#)
 - 200 MW CSP by 2026 [link](#)

TOTAL PV INSTALLED

LARGE SCALE	1.3 MWp
C&I	0 MWp
MG	0 MWp
SHS & RESIDENTIAL	0 MWp

source [AFSIA](#) [IRENA](#)

CURRENT TARIFF GRID ELECTRICITY

	RESIDENTIAL	COMMERCIAL	INDUSTRIAL
MIN.	\$0.086	\$0.105	\$0.071
MAX.	\$0.120	\$0.155	\$0.079

source

POLICY / REGULATION

- FiT for residential and commercial installations for a total capacity of up to 10 MWp in 2021 [link](#)

ELECTRIFICATION RATE

- 60% electricity access on average throughout the country (77% in urban areas and 37% in rural areas) [link](#)
- Target to reach 100% electrification by 2030 [link](#)

NOTEWORTHY DEVELOPMENTS

- tender for 2x50 MWp ongoing [link](#)
- Giyani Metals eyes 14-60 MWp [link](#)
- launch of 200 MW CSP tender expected in 2021 [link](#)
- 4.5 GW PV + CSP initiative with Namibia launched [link](#)



BURKINA FASO

OBJECTIVES

- reach 1,000 MW of installed capacity by 2022 [link](#)
- target of 50% Renewable Energy in the electric mix by 2030 [link](#)

TOTAL PV INSTALLED

LARGE SCALE		33 MWp
C&I		15.5 MWp
MG		0 MWp
SHS & RESIDENTIAL		0.2 MWp

source [AFSIA](#) [IRENA](#)

CURRENT TARIFF GRID ELECTRICITY

	RESIDENTIAL	COMMERCIAL	INDUSTRIAL
MIN.	\$0.140	\$0.140	\$0.100
MAX.	\$0.310	\$0.310	\$0.260

[source](#)

POLICY / REGULATION

- all PV components are exempted from import duties and VAT [link](#)
- no feed-in tariff, no net-metering

ELECTRIFICATION RATE

- 19% of the population has access to electricity [link](#)
 - 60% in urban areas and 3% in rural areas [link](#)
- target to reach 95% electrification rate country-wide by 2030 [link](#)

NOTEWORTHY DEVELOPMENTS

- total of 250 MW of large-scale PV plants under construction and/or development
- Bouly & Bissa mine looking at 13 MW hybrid [link](#)
- Results-based financing program for 100 MGs announced [link](#)

Renewable Energy Partner

Your renewable energy partner in Africa & the Middle East

British solar company focusing on ON & OFF grid projects



ADVISORY



PROJECT DEVELOPMENT



OFF-GRID



www.rnepartner.com
contact@rnepartner.com



BURUNDI

OBJECTIVES

- no specific target or concrete plan for the implementation of off-grid solar systems [link](#)

TOTAL PV INSTALLED

LARGE SCALE	0 MWp
C&I	0 MWp
MG	0 MWp
SHS & RESIDENTIAL	0 MWp

source [AFSIA](#) [IRENA](#)

CURRENT TARIFF GRID ELECTRICITY

RESIDENTIAL COMMERCIAL INDUSTRIAL

MIN.

data could not be verified

MAX.

POLICY / REGULATION

- PV components are not exempted from VAT

ELECTRIFICATION RATE

- 7% of the population has access to electricity [link](#)
- 49% of urban areas are connected to the grid, while only 1% of rural areas have grid access [link](#)

NOTEWORTHY DEVELOPMENTS

- 7.5 MWp under construction [link](#)
- 2x4.5 MWp hybrid under development [link](#)
- 13 MGs being developed by UNDP [link](#)



CAMEROON

OBJECTIVES

- 25% RE in national mix by 2035 [link](#)
- electrify 660 localities by 2035, among other by using solar [link](#)

TOTAL PV INSTALLED

LARGE SCALE		0.1 MWp
C&I	■	2.3 MWp
MG		0 MWp
SHS & RESIDENTIAL		0.1 MWp

source [AFSIA](#) [IRENA](#)

CURRENT TARIFF GRID ELECTRICITY

	RESIDENTIAL	COMMERCIAL	INDUSTRIAL
MIN.	\$0.095	\$0.160	\$0.114
MAX.	\$0.188	\$0.188	\$0.162

[source](#)

POLICY / REGULATION

- all PV components are subject to a 10% import tax but no VAT [link](#)
- FER (Rural Energy Fund) provides subsidies up to 80% of the feasibility and up to 70% of the infrastructure costs [link](#)
- no FiT, no net-metering

ELECTRIFICATION RATE

- according to WB, 91% of urban areas and 21% of rural areas are connected to the grid [link](#)
- target to achieve 75% country-wide electrification rate by 2030 [link](#)

NOTEWORTHY DEVELOPMENTS

- Maroua 15 MWp and Guider 10 MWp in late stage of development [link](#)
- 687 villages to be electrified with MGs [link](#)



CAPE VERDE

OBJECTIVES

- original RE target of 100% by 2020 [link](#)
- target reviewed to 30% by 2025 and 50% by 2030 [link](#)

TOTAL PV INSTALLED

LARGE SCALE	8.8 MWp
C&I	0 MWp
MG	0 MWp
SHS & RESIDENTIAL	0 MWp

source [AFSIA](#) [IRENA](#)

CURRENT TARIFF GRID ELECTRICITY

	RESIDENTIAL	COMMERCIAL	INDUSTRIAL
MIN.	\$0.311	\$0.349	\$0.295
MAX.	\$0.437	\$0.416	\$0.334

[source](#)

POLICY / REGULATION

- exemption of VAT on import for panels and batteries [link](#)
- no licence required below 100 kWp [link](#)
- net-metering for systems below 100 kWp [link](#)
- no FiT

ELECTRIFICATION RATE

- 92% of the population has access to electricity [link](#)

NOTEWORTHY DEVELOPMENTS

- 2x5 MWp tender ongoing [link](#)