



RENEWABLE
PHOTOVOLTAIC / WIND

+60
YEARS OF EXPERIENCE

70.000
TRANSFORMERS PRODUCED

+70
COUNTRIES WHERE OUR TRANSFORMERS
ARE INSTALLED

we are all over the world



○ Countries where our transformers are installed

● Celme's Partner

we make transformers

for

RENEWABLE
PHOTOVOLTAIC



WIND

Our long-standing experience on oil filled transformers makes us a crucial partner for renewable energy application. Our products proposal is fully customised and suitable for every ambient conditions

- UP TO 5000M A.S.L. INSTALLATION
- AMBIENT TEMPERATURE UP TO +50°C AND -50°C (DESERTS OR ARCTICS)
- SEISMIC ZONES
- AMBIENT CORROSIVE CONDITIONS C5-VH IN COMPLIANCE WITH ISO 12944-5:2018





ADDITIONAL ELECTRICAL SPECIFICATIONS

- PV (Photovoltaic) Transformers
- High working performance in connection with a converter system (solid capacity to filter PWM, dv/dt, THDi)
- Possibility to design transformers up to 4 secondary highly decoupled
- Designed to achieve a long-lasting working life and reduce overall maintenance
- Fully compliance with IEC and IEEE C57.159 "Guide on Transformers for Application in Distributed Photovoltaic (DPV) Power Generation System"
- Transformers for BESS (Battery Energy Storage System) plant with or w/o Statcom compensator
- High working performance in reversible power flow
- Suitable to endure significant load change
- MTBF impressive high records

We have timely replied to the last ten years tendency of Photovoltaic market, that is demanding for a sensitive increase in transformer rated power, such as up to 10MVA on hermetically sealed type and as well impact on breathing type design.

**WE HAVE PROMPTLY ACCEPTED THE CHALLENGE
AND ADAPTED OUR PRODUCT CAPABILITY
TO PERFECTLY MEET OUR CUSTOMERS' EXPECTATION.**





OUR TRANSFORMERS ARE SUITABLE FOR OUTDOOR APPLICATION, SUCH AS:

- Skid
- Mini-skid

SKID-LESS AND FOR INDOOR APPLICATION, SUCH AS:

- Container
- Concrete station





RENEWABLE
BESS



RENEWABLE
PHOTOVOLTAIC / WIND



HYDROGEN



INDUSTRIAL



DISTRIBUTION



POWER SUPPLY FOR CONVERTERS
ENERGY TRANSFORMATION



OIL AND GAS
OFFSHORE / ONSHORE
HAZARDOUS / SAFE AREAS



 **celme**
we make transformers

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