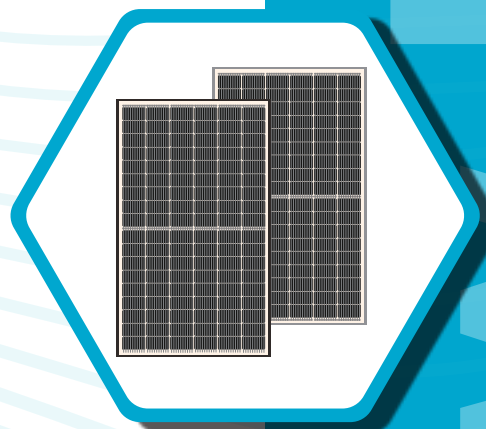




**TRANSFORMER  
STATIONS**

# Plug & Play Solutions



**PV  
MODULES**



**FUEL  
CELL**



**BESS**

www.knowmore



Research



Design



Supply



Production



Construction



Automation



Maintenance



Commissioning



Start-up

SINCE  
**2011**

**We Know How**

**beyond PV**

**Complete transformer station up to 6.3MW  
Plug & Play Solutions**

Neopet Ltd. company has been on the market for almost 13 years, during this period, the company always strives to provide its partners with the most optimal solutions and performances in the field of energy. The reference list of the company is filled with different size, complexity and type of projects related to energy.

In recent years the company has a series of projects behind it, some of them are replacement of SF6 110kV distribution device in Vitosha - Sofia substation, introduction of full telemechanics and complete reconstruction of Dolna Mitropolia substation, construction of energy infrastructure "Balkan Stream" and many others.

Neopet Ltd. covers a large volume of engineering activities and solutions in the field of energy. To date we participate in projects on the territory of Bulgaria, Italy, Germany, the Netherlands, Romania, Serbia, Albania and a number of other countries. The constantly developing Neopet Ltd. starts production of electrical equipment, together with established world known manufacturers.

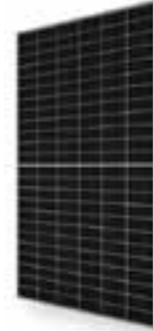
# TRANSFORMER STATIONS

- Metal container
- Total Weight with equipment < 20 tonnes
- Operating Temperature -30° ~ +60°
- Relative Humidity 0 – 99%
- Max Altitude – 2000 m
- Insulation voltage up to 36kV
- Choice of Power up to 6MW
- Up to 20 Low Voltage inputs/outputs 400/800VAC
- Up to 2 x 2425A input Current on Low Voltage side
- Rating of Protection: Ip54
- Up to 5 pcs. Medium Voltage Cubicles
- Standards Compliance: BDS EN62271:2012, IEC 60076, IEC 62271-202, EN 50588-1, IEC 61439-1

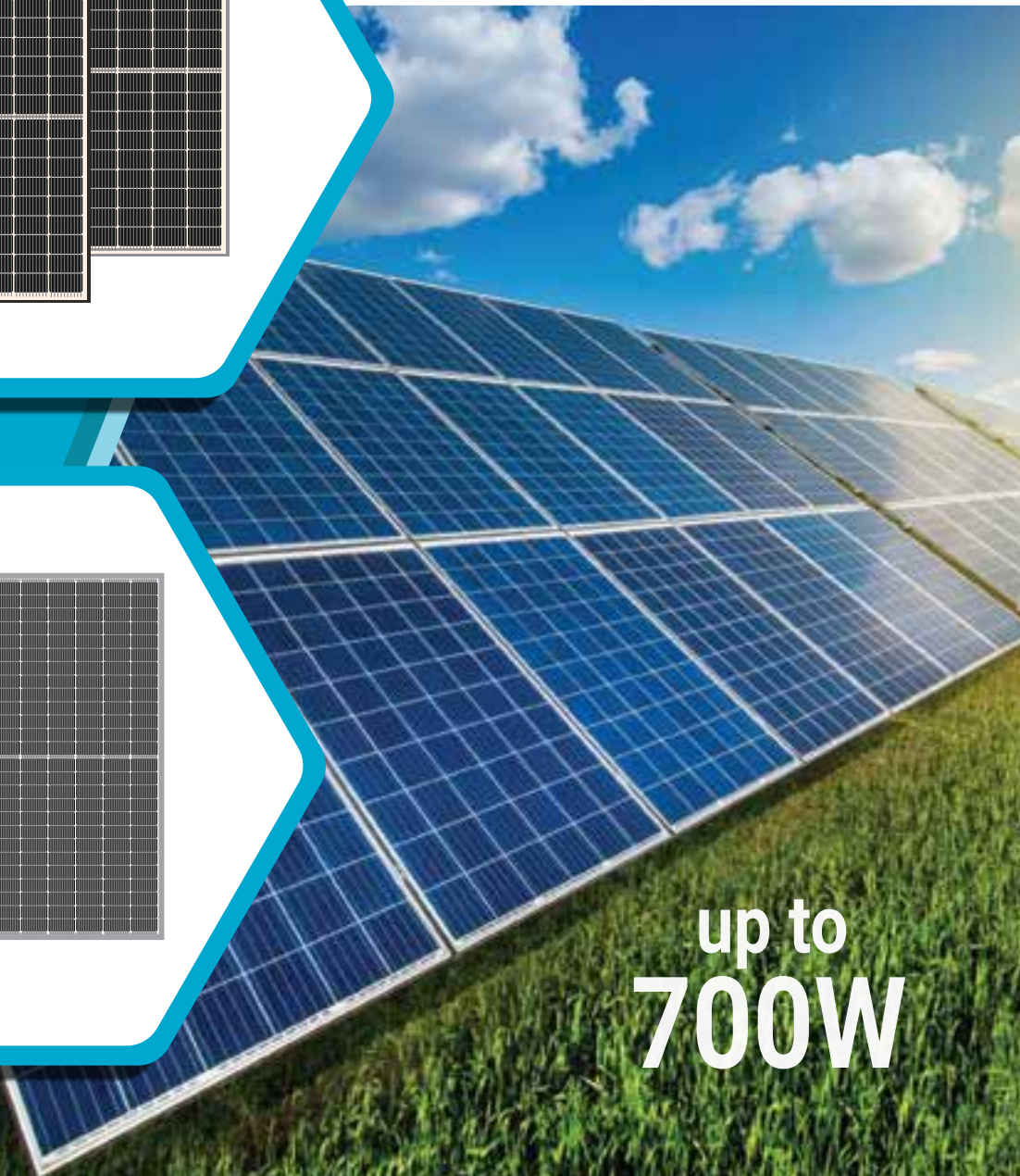
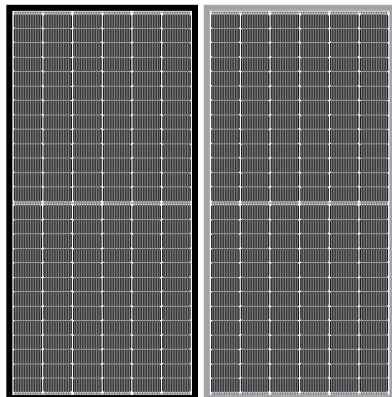
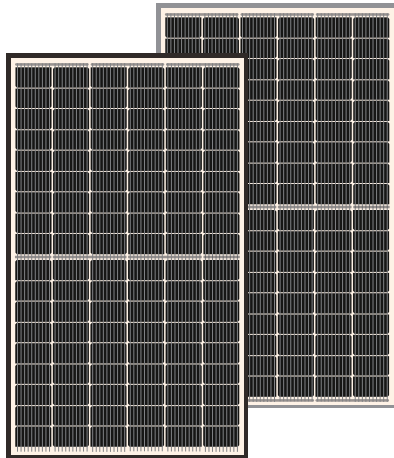


up to  
**6.3MW**

# PV MODULES



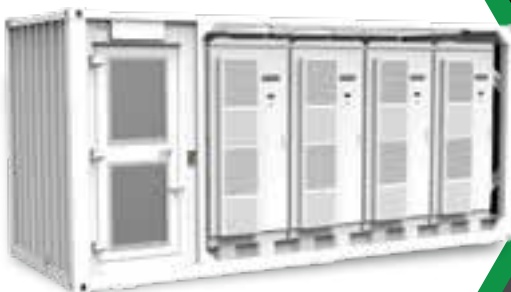
- SL65-54 TDP, TEP 410~430W
- SL65-72TDP, TEP 555~575W
- SL65-78TDP, TEP 605~625W
- SL85-66BDL 645~665W
- SL85-66HDT 680~700W



up to  
**700W**

# ENERGY STORAGES

- Neopet containerized BESS adopts modular unit design, AC400V output, which can be directly connected in parallel on the AC side for capacity expansion
- If a single battery cluster fails, it can be automatically removed without affecting the overall operation of the system
- The system is managed by supporting the local controller for charging/discharging
- Outdoor design, IP55 protection level, can be directly installed outdoors, saving user deployment costs.
- Neopet containerized BESS meets the delivery of the whole machine and meets the requirements of fast and distributed deployment.



up to  
**5000kWh**

**BESS**

# FUEL CELL

**Power generation (Electricity/Heat):** 200kW/144kW(Hot water around 60°C)

**Size:** W 4,500 X D 1,700 X H 1,800mm

**Fuel:** H<sub>2</sub>

**Efficiency(LHV):** Approx. 50% (Electricity) / Over 90% (Total)

**Features:** Quick start up time, zero emissions of SO<sub>x</sub>, NO<sub>x</sub> and CO

**Applications:** Hydrogen power plant, hydrogen station, auxiliary power sources



# HG200K



### Information security management systems

Neopet Ltd. is certified that the Information security management systems is in accordance with the standard ISO/IEC 27001:2015.



### Energy management

As of 2022, Neopet Ltd. already has a certificate ISO50001:2015.



### Construction Certificates

Neopet Ltd. has construction categories according to the Bulgarian legislation.



### Health & Safety Certification

Since 2015, Neopet Ltd. was awarded the Health & Safety Certification for our wide range of engineering work.



### Standard for quality management

Neopet Ltd. is certified that the quality management system is in accordance with the standard ISO 9001:2015 for the following fields of activity: Research, consulting, engineering, construction and commissioning of electrical equipment, production installations, cable lines, buildings and adjacent infrastructure.



### Environmental management systems

The implementation of ISO 14001: 2015 is a good form for organizing the work process of Neopet Ltd., as it is an active management system and helps to build and continuously improve an effective management system in our organization, in terms of protection of environment.

# Plug & Play Solutions

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[www.neopet.bg](http://www.neopet.bg)  
[www.neopetpower.de](http://www.neopetpower.de)