

All PV panels are mounted on steel supporting structures. 22 PV panels connected in series form a "string". The maximum power output (watt peak capacity) of each panel is 280 watts (Wp).

Direct current (DC) from these interlinked strings flows through DC cables to the power inverters, which convert DC to 0.4 kilovolt (kV) three-phase alternating current (AC).

Inverter stacks are grouped in clusters, from which AC power flows to the dry-type field transformers. The transformer steps up voltage from 0.4 kV to 20 kV. Power is transmitted to on-site switching stations through 20 kV power cables.

Power from on-site switching stations is transmitted via 20 kV power cables to a central switching station, which is connected to a 20/120 kV central power transformer by a single feed-in cable

The central power transformer steps up voltage from 20 kV to 120 kV. From the high voltage side of the transformer the power line connects to a substation of MAVIR (Hungarian TSO) which is part of the national electricity grid.

PV PANELS  
76 000 pcs.

INVERTERS  
440 pcs.

0.4/20 KV  
FIELD TRANSFORMERS  
12 pcs.

ON-SITE  
20 KV  
SWITCHING STATIONS  
2 pcs.

20/120 KV  
TRANSFORMER  
1 pc.

# MET DUNAI SOLAR PARK

