Photovoltaic power plant inspection report

Příkladová FVE

Report reference number:

According to: IEC TS 62446-3

Inspection date and time: Tuesday 2026/10/20 15:00

Report creation date: Tuesday 2026/10/20 00:00

Inspection site: Příkladová FVE

SITE OWNER

COMPANY NAME/NAME
DroneTech s.r.o.

COMPANY ID NUMBER/DATE OF BIRTH
19358041

CLIENT

NAME
DroneTech s.r.o.

PHONE NUMBER
+420 724 302 040

CONTACT PERSON
Ing. Ondřej Staněk

EMAIL ADDRESS
stanek@dronetech.cz

INSPECTION PROCESSOR

NAME
DroneTech s.r.o.

PHONE NUMBER
+420 604 204 639

TECHNICIAN
Lukáš Bednařík

EMAIL ADDRESS
bednarik@dronetech.cz

POWER PLANT

POWER
0.9 MW_{dc}

INVERTERS
-

MODULES (NUMBER OF MODULES: 3 060)
T-Solar TS Full SJ TS410 410

STRUCTURE
Ground structure

MODULE TECHNOLOGY
-

MODULE LAYOUT
-

DATA COLLECTION

NAME
DroneTech s.r.o.

PILOT
Lukáš Bednařík

UAS
-

CAMERA
M4T

WEATHER

HUMIDITY
58 %

TEMPERATURE
19° C

WIND SPEED
0 m/s

INTENSITY OF SOLAR RADIATION
795 W/m^2

CLOUD COVER

INSPECTION

INSPECTION TYPE
DEFAULT ~~REGULAR~~ ~~EMERGENCY~~

Overall assessment

Defect name	Number of affected modules	Odhad ztráty výkonu 1 panelu	Odhad ztráty výkonu všech panelů	Estimated annual power loss	Estimated annual financial loss
Bypass diode active	33	0,0970 kW	3,2010 kW	4 801,50 kWh	24 007,50 CZK
Cell hotspot	267	0,0980 kW	26,1660 kW	39 249,00 kWh	196 245,00 CZK
Multi cell hotspot	281	0,1470 kW	41,3070 kW	61 960,50 kWh	309 802,50 CZK
Open circuit	486	0,2941 kW	142,9326 kW	214 398,90 kWh	1 071 994,50 CZK
Shadowing	160	0,0980 kW	15,6800 kW	23 520,00 kWh	117 600,00 CZK
			229,2866 kWh	**343 929,90 kWh**	**1 719 649,50 CZK**