

REFU*sol* 350K-8T

Reliable. Connecting. Visionary.

- 8 MPP trackers
- I-V curve scan
- High safety string breaking protection



The completely newly developed **REFU sol 350K** inverter has been special designed for maximum flexibility in industrial utility PV systems. With its 8 MPP trackers, it enables the realization of a wide variety of system designs.

Each inverter can be individually connected via the REFUlog portal for remote monitoring. During the **10-year warranty** period, the REFUlog portal is provided free of charge with each inverter. Ethernet or WiFi loggers are available for easy integration into local networks.



**REFU^{sol} 350K-8T
850P350**

Art. No.

DC DATA

Max. recommended PV power (kWp)	525
Max. input voltage (V)	1500
Rated input voltage (V)	1160
Start-up input voltage (V)	550
DC voltage range (V)	500 - 1500
MPPT voltage range (V)	860 - 1300
Number of independent MPPT	8
Number of DC inputs	32 (4 / MPPT)
Max. current per MPPT (A)	60
Max. short circuit current per MPPT (A)	100
DC connection	MC4

AC DATA

AC output power (kVA)	352 @ 35°C / 320 @ 45°C / 295 @ 50°C
Max. output current (A)	254.1
Nominal grid voltage (V)	3P/PE: 800
Grid voltage range (V)	640 - 920
Nominal grid frequency (Hz)	50, 60
Grid frequency range (Hz)	45 - 55 / 55 - 65
Active power adjustable range (%)	0 - 100
Total harmonic distortion (THDi) (%)	< 3
Adjustable power factor range	1 (0.8 inductive ... 0.8 capacitive)
AC connection	AC Terminal Blocks

PERFORMANCE

Max. efficiency (%)	99.05
EU efficiency (%)	98.8

PROTECTION

DC switch	integrated
Safety protection	Anti-islanding, DC reverse polarity, Ground fault, PV-array string fault monitoring, RCMU, Overtemperature, Overvoltage, Overcurrent
String monitoring	each MPPT
Protection class / overvoltage category	Class I / DC and AC: Type II standard
SPD	DC: Type II / AC: Type II
AFCI / PID	yes / yes

COMMUNICATION

RS485 / USB	yes / yes
Ethernet / WiFi	optional (Art. No. 924024) / optional (Art. No. 924025)
PLC	yes (integrated)

GENERAL DATA

Ambient temperature (°C)	-30 ... +60
Self-consumption at night (W)	< 3
Topology	transformerless
Type of protection (IEC 60529)	IP66
Allowable rel. air humidity range (%)	0 ... 100
Max. operating latitude (m)	4000
Weight (kg)	113
Cooling	Intelligent air cooling
Dimension (H x W x D) (mm)	828 x 1159 x 366
Display	LED & Bluetooth + App
Certification	CE_LVD/IEC62109, EN62109-1/2, EN50549-1/2, VDE4110, CE EMC / IEC61000, EN61000-6-2/4, IEC62116, IEC61727, IEC60068, IEC61683, EN 62311:2008, EN 300 328 V2.1.1, EN 301 489-17 V3.1.1, EN 301 489-1 V2.1.1
Warranty	10 years