

## Inwerter solar On-grid 3,6Kw USB, WIFI, Alien

category: Kategorie > SOLAR System



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MODEL PH50-3600M

RATED POWER(W) 3600

PV INPUT(DC)

Maximum recommended DC power(W) 4100

Nominal DC operating voltage(V) 360

page: 1/5 print date: 26-03-2025

<http://www.asun.pl/it/invertor-solar-on-grid-3-6kw-usb-wifi-alien.html>

Maximum DC voltage(V) 550

Start voltage(V) 100

MPPT voltage range(V) 80~550

Maximum input current(A) 11/11

No.of MPP tracker 2

Strings per MPP tracker 1

GRID OUTPUT(AC)

Nominal AC output power(W) 3600

Maximum AC output power(VA) 3600

Nominal output voltage(V);range(V) 220 / 230 / 240;180-280

AC grid frequency(Hz);range(Hz) 50/60;45~55/55-65

Nominal output current(A) 15,7

Maximum output current(A) 16,4

Total harmonic distortion i (THDi)  $\leq 3\%$  @ Full load & THDv  $< 1\%$

Power factor at rated power 1

Displacement power factor 0.8 leading ? 0.8 lagging

AC connection Single phase

## EFFICIENCY

Maximum efficiency 97,4%

Euro-efficiency 97,0%

MPPT efficiency 99.5%

Self-Consumption night (W)  $< 1$

## PROTECTION DEVICES

DC reverse polarity protection Yes

DC switch rating for each MPPT Yes

Output over current protection Yes

Output overvoltage protection-varistor Yes

Ground fault monitoring Yes

Grid monitoring Yes

Integrated all-pole sensitive leakage current Yes

Dimension(W/H/D)(mm) 355\*412\*153

Net weight (kg)13.5

## INTERFACE

DC connection H4/MC4

AC connection Connector

Display LED

Communication interfaces Wi-Fi / USB / GPRS

## ENVIRONMENT

Ingress protection rating IP65

Humidity 0-100%

Operating temperature range -25? ~+60? With derating above 45?

Cooling concept Natural

Noise emission(typical)[dB]  $\leq 25$

Altitude <4000m

## OTHERS

Topology transformerless