![Solenso]

# SOLENSO
## SOL-H700/SOL-H800

The best daisyy--chain microinverter with reactive power control for 2 solar panels

**15 YEAR WARRANTY**

### Highlights

- Easy installation,just plug and play

- External antenna for stronger communication with DTU

- Power factor(adjustable)0.8 leading......0.8 lagging

- Compliant with VDE-AR-N 4105:2018&EN50549-1 :2019

- High reliabilit;NEMA(IP67)enclosure；6000V surge protection

**Safer**　　**Smarter**　　**More Powerful**　　**More Reliable**

| Model | Sol-H700 | Sol-H800 |
|---|---|---|
| **Input Data (DC)** | | |
| Commonly used module power (W) | 280~470 | 320~540 |
| Module compatibility | 60-cell or 72-cell PV modules | 60-cell or 72-cell PV modules |
| Peak power MPPT voltage range (V) | 33~48 | 33~48 |
| Start -up voltage (V) | 22 | 22 |
| Operating voltage range (V) | 16~60 | 16~60 |
| Maximum input voltage (V) | 60 | 60 |
| Maximum input current (A) | 2*11.5 | 2*12.5 |
| Maximum input short circuit current (A) | 2*15 | 2*15 |
| **Output Data (AC)** | | |
| Rated output power (VA) | 700 | 800 |
| Rated output current(A) | 3.18 / 3.04 / 2.92 | 3.64 / 3.48 / 3.33 |
| Nominal output voltage (V) | 220 / 230 / 240 | 220 / 230 / 240 |
| Nominal output voltage range (V) | 180-275 [1] | 180-275 [1] |
| Nominal frequency/range (Hz) | 50/45-55 [1] or 60/55-65 [1] | 50/45-55 [1] or 60/55-65 [1] |
| Power factor (Adjustable) | > 0.99 default<br>0.8 leading...0.8 lagging | > 0.99 default<br>0.8 leading...0.8 lagging |
| Total harmonic distortion | < 3% | < 3% |
| Maximum units per branch(12AWG) | 7/7/7 | 6/6/6 |
| Maximum units per branch(10AWG) | 9/9/10 | 8/8/9 |
| **Efficiency** | | |
| CEC peak efficiency | 96.70% | 96.70% |
| CEC weighted efficiency | 96.50% | 96.50% |
| Nominal MPPT efficiency | 99.80% | 99.80% |
| Nominal power consumption (mW) | < 50 | < 50 |
| **Mechanical Data** | | |
| Ambient temperature range ( ℃ ) | -40~+65 | |
| Dimensions (WxHxD mm) | 250 x 230 x 28 | |
| Weight (kG) | 2.6 | |
| Enclosure rating | Outdoor-NEMA（IP67) | |
| Cooling | Natural convection-No fans | |
| **Features** | | |
| Communication | 2.4GHz Proprietary RF(Noedic) | |
| Type of isolation | Galvanically Isolated HF Transformer | |
| Monitoring | Solenso Monitoring System, SOFIA(IOS&Android) | |
| Compliance | VDE-R-N 4105:2018,EN 50549-1:2019,VER 2019 ,<br>ICE/EN 62109-1/-2,IEC/EN 6100-6-1/-2-3/-4,ICE/EN 61000-3-2/-3 | |

• Nominal voltage/frequency range can be changed due to the requirements of local power department

• Refer to local requirements for exact number of microinverter per branch