



The TommaTech Micro Inverter S Series is renowned for its exceptional power output, positioning itself as one of the top-rated models among 2-in-1 microinverters, boasting an impressive capacity of up to 800 VA. Specifically designed to cater to the latest and previous generation of high-power modules, these microinverters feature two independent MPPTs and robust support for input current and output power. Seamlessly incorporating Wi-Fi wireless technology, the TommaTech Micro Inverter S series ensures reliable and consistent communication, offering users a smooth monitoring and control experience. Delivering a cost-effective solution, these microinverters are highly suitable for both residential and commercial solar applications. Furthermore, they are fully compatible with the TommaTech Hybrid solutions and can seamlessly be integrated with various AC coupled systems available in the market, thus enhancing their versatility and adaptability.

Single Phase Micro Inverter S Series

800W



High Efficiency



2 MPPTs



Remote Control

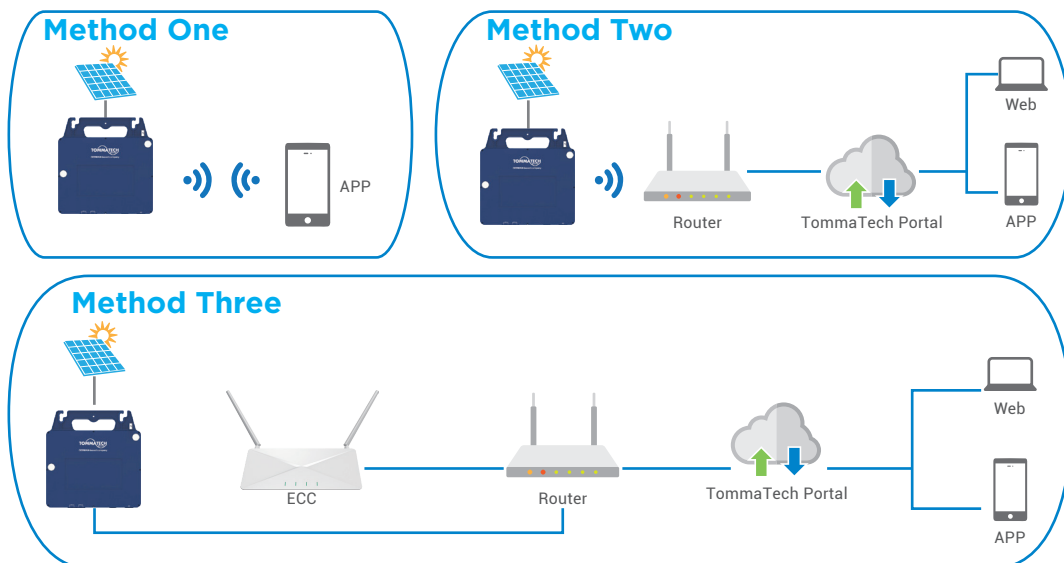


IP67 Rated



Plug & Play

Communication Diagram





ONG-TT-MKR-800W-MF-S

| DC INPUT | |
|--|---|
| Recommended PV Input Capacity [W] | 320 to 540+ |
| Max. PV input voltage [V] | 60 |
| MPPT voltage range[V] | 22-60 |
| Start-up voltage [V] | 20 |
| Max. PV input current[A] | 2 x 15A |
| Max. input short circuit current Isc [A] | 2 x 20A |
| No. of MPP trackers | 2 |
| Strings per MPP tracker | 1 |
| AC OUTPUT | |
| Rated AC output power [VA] | 800 |
| Rated grid voltage/range[V] | 220 or 230 or 240 / 180-275 |
| Rated AC output current [A] | 3.64 / 3.48 / 3.33 |
| Nominal AC frequency/range [Hz] | 50 / 45-55 or 60 / 55-65 |
| Maximum units per branch 25A | 6 / 7 / 7 |
| Power Factor range (adjustable) | >0.99(-0.8~0.8 adjustable) |
| THDi (Rated power) [%] | < 3% |
| EFFICIENCY | |
| Max. efficiency | 96.50% |
| Nominal MPPT efficiency | 99.9% |
| Night power consumption [mW] | < 40 |
| STANDARD | |
| Safety | IEC62109-1/-2, IEC61000-6-1/-2/-3-4, IEC61000-3-2, IEC61000-3-3, IEC 61727, IEC 62116, IEC 61683 |
| Grid Connection Standard | EN50549-1:2019, VDE-AR-N 4105: 2018, VFR 2019, RD1699:2011, CEI 0-21:2019, ABNT NBR 16149, ABNT NBR 16150, AS/NZS 4777.2:2015 |
| ENVIRONMENT LIMIT | |
| Ingress protection rating | IP67 (NEMA 6) |
| Operating ambient temperature range [°C] | -40 ~ 65°C |
| Humidity[%] | 0 ~ 100(condensing) |
| Storage temperature[°C] | -40°C ~ 65°C |
| GENERAL | |
| Dimension(W x H x D) [mm] | 260 x 210 x 40 |
| Weight [kg] | 3.1 |
| Cooling concept | Natural convection |
| Communication | Built-in Wi-Fi |
| Monitoring | TommaTech Portal |