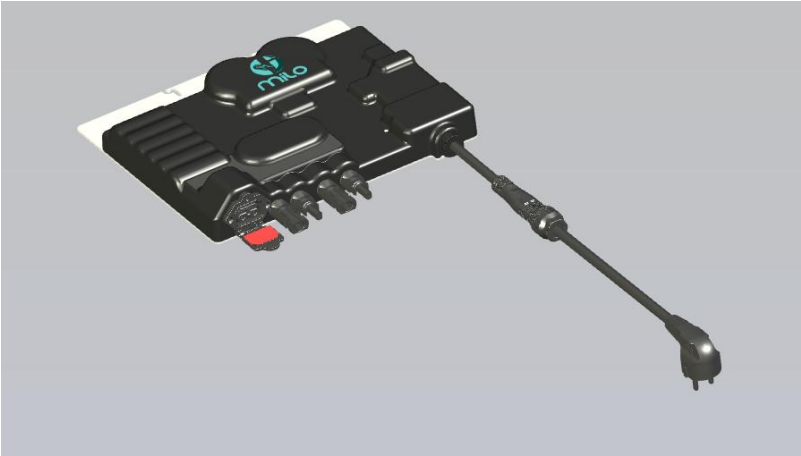


# Milo hybrid micro inverter

| INPUT DATA(DC)                                                                      | HMI-600-EUD                                                        | HMI-700- EUD                                                                                                                                                                                                                                                                                                                                                                                          | HMI-800- EUD |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| Commonly used module pairings W                                                     | 600                                                                | 700                                                                                                                                                                                                                                                                                                                                                                                                   | 800          |
| MPPT voltage range V                                                                | 25~55                                                              | 25~55                                                                                                                                                                                                                                                                                                                                                                                                 | 25~55        |
| Operating range V                                                                   | 25~58                                                              |                                                                                                                                                                                                                                                                                                                                                                                                       |              |
| Min/max start voltage V                                                             | 30 / 58                                                            |                                                                                                                                                                                                                                                                                                                                                                                                       |              |
| Max input DC voltage V                                                              | 60                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                       |              |
| Max DC current A                                                                    | 24/ 2                                                              | 28/ 2                                                                                                                                                                                                                                                                                                                                                                                                 | 32/ 2        |
| OUTPUT DATA (AC)                                                                    | HMI-600-EUD                                                        | HMI-700- EUD                                                                                                                                                                                                                                                                                                                                                                                          | HMI-800- EUD |
| Peak output power VA                                                                | 690                                                                | 800                                                                                                                                                                                                                                                                                                                                                                                                   | 900          |
| Max continuous output power VA                                                      | 570                                                                | 665                                                                                                                                                                                                                                                                                                                                                                                                   | 760          |
| Nominal (L-L/N) voltage/range VA                                                    | 230 /185 ~264 120 / 96.5~137.7                                     |                                                                                                                                                                                                                                                                                                                                                                                                       |              |
| Max continuous output current A                                                     | 2.4                                                                | 2.9                                                                                                                                                                                                                                                                                                                                                                                                   | 3.3          |
| Nominal frequency Hz                                                                | 50/60                                                              |                                                                                                                                                                                                                                                                                                                                                                                                       |              |
| Extended frequency range Hz                                                         | 45~55/55~65                                                        |                                                                                                                                                                                                                                                                                                                                                                                                       |              |
| AC short circuit fault current over 3 cycles Arms                                   | 4.5                                                                |                                                                                                                                                                                                                                                                                                                                                                                                       |              |
| Total harmonic distortion                                                           | <3%                                                                |                                                                                                                                                                                                                                                                                                                                                                                                       |              |
| Power factor setting                                                                | -0.85~0.85                                                         |                                                                                                                                                                                                                                                                                                                                                                                                       |              |
| Max efficiency %                                                                    | 97                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                       |              |
| MPPT Efficiency %                                                                   | 99                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                       |              |
| Battery DATA                                                                        |                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                       |              |
| Battery type                                                                        | Lithium /lead acid                                                 |                                                                                                                                                                                                                                                                                                                                                                                                       |              |
| Nominal Voltage V                                                                   | 51.2                                                               |                                                                                                                                                                                                                                                                                                                                                                                                       |              |
| Dis/ Charging Current A                                                             | 20                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                       |              |
| Battery nominal energy KWh                                                          | 0.5 / 1.0 / 1.5 / 2.0                                              |                                                                                                                                                                                                                                                                                                                                                                                                       |              |
| MECHANICAL DATA                                                                     |                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                       |              |
| Ambient temperature range                                                           | -40°C to +60 °C                                                    |                                                                                                                                                                                                                                                                                                                                                                                                       |              |
| Relative humidity range                                                             | 4% to 100% (condensing)                                            |                                                                                                                                                                                                                                                                                                                                                                                                       |              |
| DC Connector type                                                                   | EBBRA                                                              |                                                                                                                                                                                                                                                                                                                                                                                                       |              |
| Dimensions (HxWxD)                                                                  | 287 mm x 256mm x 32mm                                              |                                                                                                                                                                                                                                                                                                                                                                                                       |              |
| Weight                                                                              | 1.0kg                                                              | 1.2kg                                                                                                                                                                                                                                                                                                                                                                                                 |              |
| Cooling                                                                             | Natural convection – no fans                                       |                                                                                                                                                                                                                                                                                                                                                                                                       |              |
| Approved for wet locations                                                          | Yes                                                                |                                                                                                                                                                                                                                                                                                                                                                                                       |              |
| Pollution degree                                                                    | PD3                                                                |                                                                                                                                                                                                                                                                                                                                                                                                       |              |
| Enclosure                                                                           | Class II double-insulated, corrosion resistant polymeric enclosure |                                                                                                                                                                                                                                                                                                                                                                                                       |              |
| Environ category / UV exposure rating                                               | NEMA Type 6/IP67 / outdoor                                         |                                                                                                                                                                                                                                                                                                                                                                                                       |              |
| Communication                                                                       | Wifi / Can                                                         |                                                                                                                                                                                                                                                                                                                                                                                                       |              |
| COMPLIANCE                                                                          |                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                       |              |
| Certifications                                                                      | CE ENS0549-1 VDE0126-1- 1 UL1741 IEC62109-1/-2 IEC6100             |                                                                                                                                                                                                                                                                                                                                                                                                       |              |
|  |                                                                    | <ul style="list-style-type: none"><li>• Max.60Vdc input voltage for “0 risk” of fire accident</li><li>• Daisy chain AC cables integrated</li><li>• Flexible expansion of existing solar System</li><li>• IP67 enclosure protection</li><li>• Module-level monitoring</li><li>• Module-level MPPT</li><li>• Startup voltage 25Vdc only</li><li>• No additional cost for integrated AC cables</li></ul> |              |