



# Data Sheet

| HELIOS COMBO (wall-mount model) |     | MODEL                                    |                |
|---------------------------------|-----|--|----------------|
| INVERTER                        |     | SPH3600-BL                               | SPH5000-BL     |
| <b>PV INPUT DATA</b>            |     |  |                |
| Maximum PV input power          | kW  | 4.86                                     | 6.75           |
| Maximum PV input voltage        | Vdc | 600                                      |                |
| MPPT voltage range              | Vdc | 125~550                                  |                |
| Start-up PV voltage             | Vdc | 100                                      |                |
| MPPT number                     |     | 2  |                |
| String maximum input current    | A   | 11                                       |                |
| PV short-circuit current        | A   | 13.8                                     |                |
| <b>BATTERY INPUT DATA</b>       |     |  |                |
| Battery type                    |     | Li-Ion, Lead-carbon or Lead-acid         |                |
| Rated battery voltage           | Vdc | 48                                       |                |
| Battery voltage range           | Vdc | 42 ~ 58                                  |                |
| Maximum charging current        | A   | 50                                       |                |
| Maximum discharging current     | A   | 60                                       |                |
| <b>GRID INPUT DATA</b>          |     |  |                |
| Rated grid input voltage        | Vac | 110/220/230/240                          |                |
| Rated grid input frequency      | Hz  | 50/60                                    |                |
| Rated grid input power          | kW  | 2.5                                      |                |
| Rated grid input current        | A   | 11                                       |                |
| Maximum grid input current      | A   | 12.5                                     |                |
| <b>OUTPUT DATA</b>              |     |  |                |
| Rated on-grid output power      | kVA | 3.6                                      | 5              |
| Rated off-grid output power     | kVA | 3.5                                      |                |
| Rated voltage                   | Vac | 110/220/230/240                          |                |
| Rated on-grid output current    | A   | 11.4/10.9/10.4                           | 22.7/21.7/20.8 |
| Maximum on-grid output current  | A   | 15.9                                     | 22.7           |
| Rated frequency                 | Hz  | 50/60 (50 default)                       |                |
| Power factor                    |     | >0.99                                    |                |
| <b>MECHANICAL DATA</b>          |     |  |                |
| Dimension (WxDxH)               | mm  | 480x212x420                              |                |
| Weight                          | kg  | 27.5                                     |                |
| IP grade                        |     | IP65                                     |                |
| Operating temperature range     | °C  | -25 ~ 60                                 |                |
| Cooling                         |     | Natural convection                       |                |
| Noise                           | dB  | <50                                      |                |
| <b>STANDARDS AND COMPLIANCE</b> |     |  |                |
| Utility standard                |     | AS/NZS 4777.2:2015                       |                |
| Safety testing                  |     | IEC62109-1, IEC62109-2, AS62040.1.1:2003 |                |
| Electromagnetic compatibility   |     | EN61000-6-3, EN61000-6-2                 |                |
| <b>WARRANTY</b>                 |     |  |                |
| Limited warranty                |     | 5 years                                  |                |

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