



Combo charge controllers Gen 4.0

ComboCC Gen 4.0

Combo CC Gen 4.0 is most comprehensive range of solar charge controllers suitable for solar lighting in major, intermediate and minor roads in off-grid and hybrid applications. High system efficacy, optimized design and long life ensures lower cost of ownership. Configurable and easy to operate with remote monitoring and control ready.

Benefits

- Three different platforms: 200Wp, 400Wp and 600Wp.
- Available in off-grid and hybrid options.
- Can drive luminaires from 5000 to 24000 lumens for a wide range of autonomy days and solar insolation.
- Integrated LED driver enables system efficacy up to 170 lumens/W.
- Integrated protection and control modules.
- Onsite programming and configuration with GUI for panel, battery and dimming profile.
- Metal weatherproof housing with several layer of protections.

Features

- Compatible with Gen 4.0 solar luminaires (BRP38x/39x)
- Off-grid and hybrid options available
- Battery type/ voltage/ capacity, LED wattage, dimming steps, PV panel capacity are configurable.
- IP65 housing with IP67 connectors, RH 95%
- IEC62109-1, IEC61547, CISPR15, IEC62093, IEC61347-2-13, EN50530, IEC62384

Application

- Non-integral Gen 4.0 solar street light range.

ComboCC Gen 4.0

Versions

ComboCC Gen 4.0



Profiling tool for Combo CC Gen 4.0 600 Wp version



ComboCC Gen 4.0 Hybrid Supply Unit



ComboCC Gen 4.0 Hybrid Supply Unit

Accessories



Ordercode 911401816002,
911401822802



Ordercode 911401822702,
911401822902

Application Conditions

ComboCC Gen 4.0

| Order Code | Full Product Name | Ambient temperature range | Grid connection type | Solar dimming profile |
|------------|---------------------------------------|---------------------------|--|-----------------------|
| 01809002 | OCU Gen4 MPPT Combo Charge Controller | -35 to +65 °C | Off grid | Configurable |
| 01809102 | Profiling tool for OCU GEN4 | - | - | - |
| | | -20 to +45 °C | Offgrid and hybrid (separate Hybrid Charger) | Configurable |

| Order Code | Full Product Name | Ambient temperature range | Grid connection type | Solar dimming profile |
|------------|-------------------|---------------------------|--|-----------------------|
| | | -20 to +45 °C | Hybrid | - |
| | | -20 to +45 °C | Offgrid and hybrid (separate Hybrid Charger) | Configurable |
| | | -20 to +45 °C | Hybrid | - |

Approval and Application

| Order Code | Full Product Name | Ingress protection code |
|------------|---------------------------------------|-------------------------|
| 01809002 | OCU Gen4 MPPT Combo Charge Controller | IP67 |
| 01809102 | Profiling tool for OCU GEN4 | - |
| | | IP65 |

| Order Code | Full Product Name | Ingress protection code |
|------------|-------------------|-------------------------|
| | | IP65 |
| | | IP65 |
| | | IP65 |

Controls and Dimming

| Order Code | Full Product Name | Dimmable |
|------------|---------------------------------------|----------|
| 01809002 | OCU Gen4 MPPT Combo Charge Controller | Yes |
| 01809102 | Profiling tool for OCU GEN4 | - |
| | | Yes |

| Order Code | Full Product Name | Dimmable |
|------------|-------------------|----------|
| | | Yes |
| | | Yes |
| | | Yes |

Operating and Electrical

| Order Code | Full Product Name | Battery type | Cable connection kit | Charge controller type | Charge controller wattage |
|------------|---------------------------------------|--------------|----------------------|------------------------|---------------------------|
| 01809002 | OCU Gen4 MPPT Combo Charge Controller | Multiple | Excluded | MPPT | 200 W |
| 01809102 | Profiling tool for OCU GEN4 | - | - | - | - |

| Order Code | Full Product Name | Battery type | Cable connection kit | Charge controller type | Charge controller wattage |
|------------|-------------------|--------------|----------------------|------------------------|---------------------------|
| | | Multiple | Excluded | MPPT | 50 W |
| | | Multiple | Excluded | MPPT | 140 W |
| | | Multiple | Excluded | MPPT | 80 W |
| | | Multiple | Excluded | MPPT | 180 W |

Mechanical and Housing

| Order Code | Full Product Name | Overall height | Overall length | Overall width |
|------------|---------------------------------------|----------------|----------------|---------------|
| 01809002 | OCU Gen4 MPPT Combo Charge Controller | 34 mm | 155 mm | 114.4 mm |
| 01809102 | Profiling tool for OCU GEN4 | - | - | - |
| | | 49.5 mm | 138 mm | 111 mm |

| Order Code | Full Product Name | Overall height | Overall length | Overall width |
|------------|-------------------|----------------|----------------|---------------|
| | | 57.7 mm | 149 mm | 111 mm |
| | | 49.5 mm | 138 mm | 111 mm |
| | | 57.7 mm | 149 mm | 111 mm |

