



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



ComboCC Gen 4.0

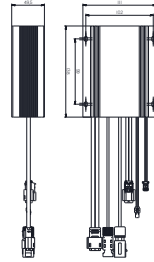
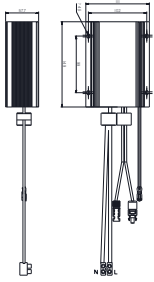


ComboCC Gen 4.0 Hybrid Supply Unit



ComboCC Gen 4.0 Hybrid Supply Unit

Dimensional drawing



Operating and Electrical

| | |
|------------------------|----------|
| Battery type | Multiple |
| Cable connection kit | Excluded |
| Charge controller type | MPPT |

Temperature

| | |
|---------------------------|---------------|
| Ambient temperature range | -20 to +45 °C |
|---------------------------|---------------|

Controls and Dimming

| | |
|----------|-----|
| Dimmable | Yes |
|----------|-----|

Mechanical and Housing

| | |
|---------------|--------|
| Overall width | 111 mm |
|---------------|--------|

Approval and Application

| | |
|-------------------------|------|
| Ingress protection code | IP65 |
|-------------------------|------|

Operating and Electrical

| Order Code | Full Product Name | Charge controller wattage |
|--------------|-------------------------------|---------------------------|
| 919415811130 | ZJS402 CCC 400Wp 24V RS SOLAR | 80 W |
| 919415811127 | ZJS401 CCC 200Wp 12V RS SOLAR | 50 W |

| Order Code | Full Product Name | Charge controller wattage |
|--------------|---------------------------|---------------------------|
| 919415811128 | ZJS401 HYC 150W 12V SOLAR | 140 W |
| 919415811131 | ZJS402 HYC 150W 24V SOLAR | 180 W |

Mechanical and Housing

ComboCC Gen 4.0

| Order Code | Full Product Name | Overall height | Overall length |
|--------------|-------------------------------|----------------|----------------|
| 919415811130 | ZJS402 CCC 400Wp 24V RS SOLAR | 49.5 mm | 138 mm |
| 919415811127 | ZJS401 CCC 200Wp 12V RS SOLAR | 49.5 mm | 138 mm |

| Order Code | Full Product Name | Overall height | Overall length |
|--------------|---------------------------|----------------|----------------|
| 919415811128 | ZJS401 HYC 150W 12V SOLAR | 57.7 mm | 149 mm |
| 919415811131 | ZJS402 HYC 150W 24V SOLAR | 57.7 mm | 149 mm |

Application Conditions

| Order Code | Full Product Name | Grid connection type | Solar dimming profile |
|--------------|-------------------------------|--|-----------------------|
| 919415811130 | ZJS402 CCC 400Wp 24V RS SOLAR | Offgrid and hybrid (separate Hybrid Charger) | Configurable |
| 919415811127 | ZJS401 CCC 200Wp 12V RS SOLAR | Offgrid and hybrid (separate Hybrid Charger) | Configurable |

| Order Code | Full Product Name | Grid connection type | Solar dimming profile |
|--------------|---------------------------|----------------------|-----------------------|
| 919415811128 | ZJS401 HYC 150W 12V SOLAR | Hybrid | - |
| 919415811131 | ZJS402 HYC 150W 24V SOLAR | Hybrid | - |

