



# 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.

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## Versions



## 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

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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	-

