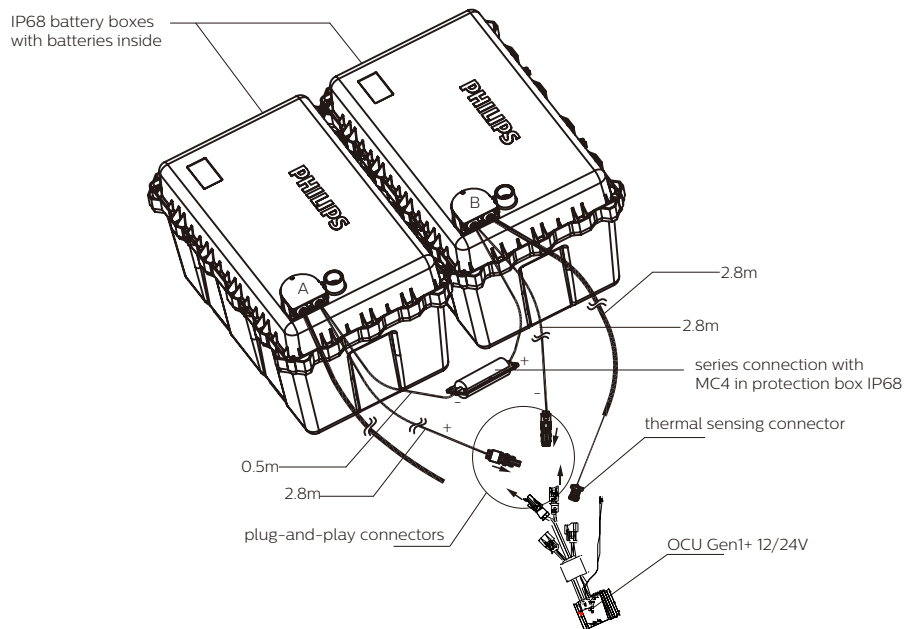
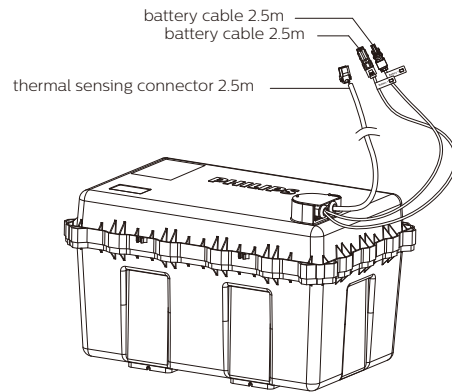




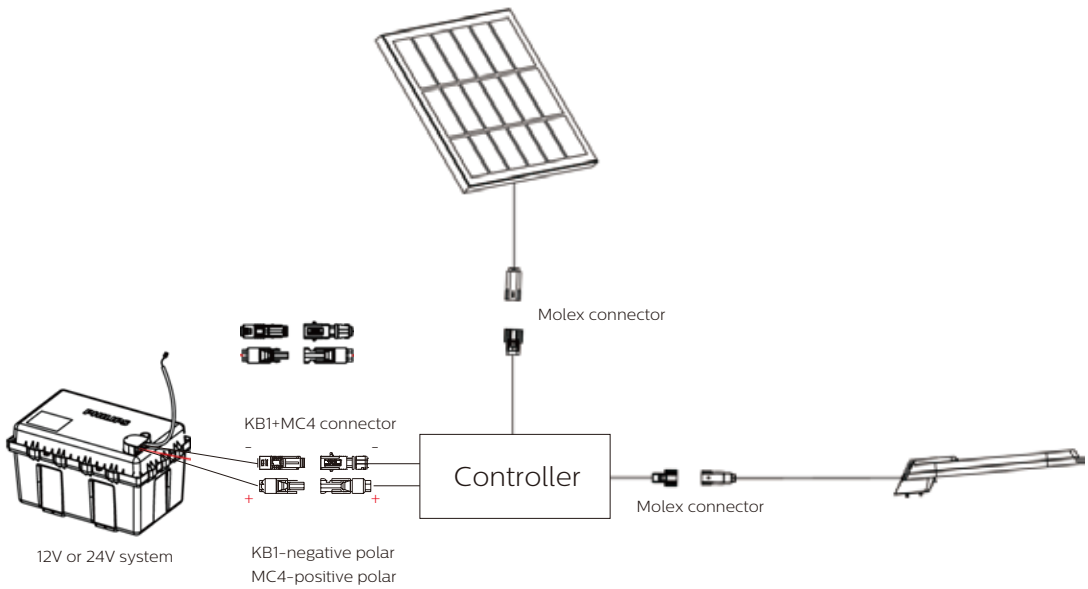
Features & advantages

- Water-proof – Battery box housing IP68, against from water or humidity underground; 0.6m water-resistant by 1 week underwater; housing of plastic ensures good performance of stability with non-chapping at -20°C.
- Conform to requirements of lead-acid utilization – pipeline from box and lighting pole antrum, to keep balance of air pressure inside box. The pipe is made of low temperature resistant nylon, stable quality without distortion at -40°C.
- Easy installation –Tug for easy moving and construction; all plug and play connection.

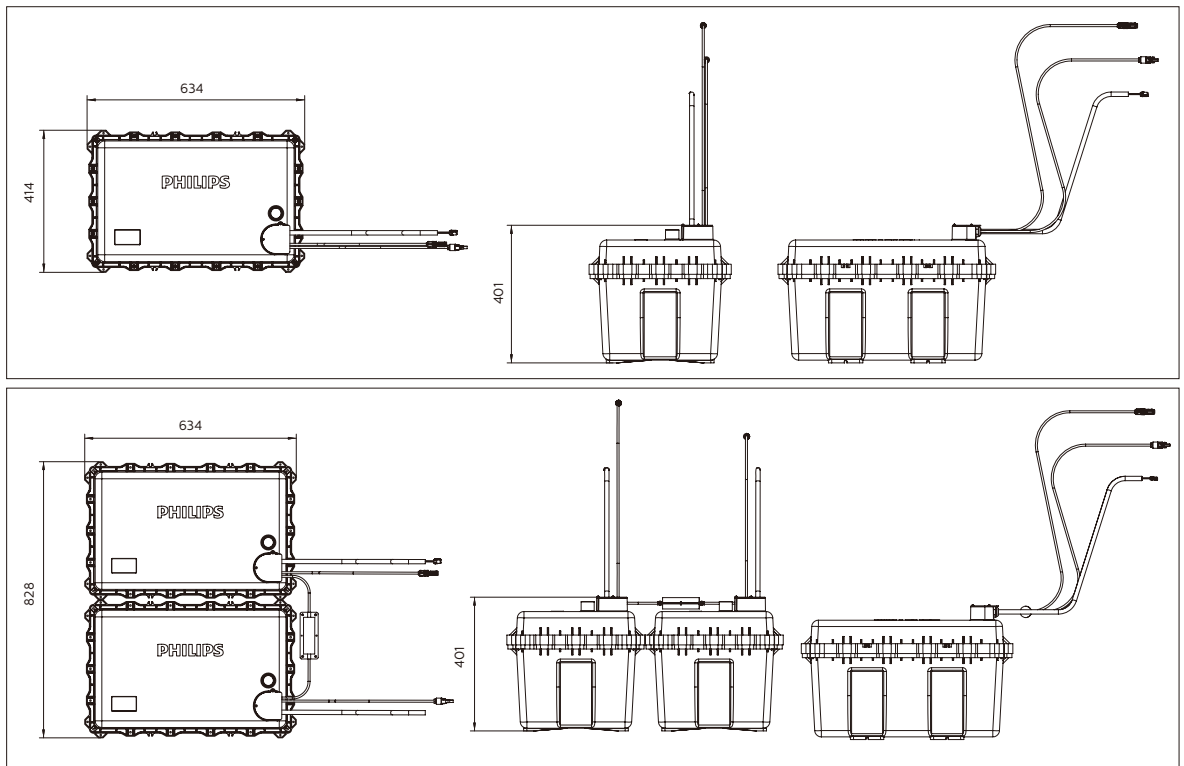




Battery Sub-system(In-ground without CC) -VRLA battery



Dimension (mm)



Battery Sub-system (In-ground without CC) -Connectors



MC4



KB1

Features, advantages & benefits

- IP67 protection
- Integrated device ensure connection sealed and terminal positioning
- Large current
- Plug and play design for easy wiring
- Tactile and audible mating feedback

Order information

12V Battery Sub-system	12NC	Model	Nominal System Voltage	IP	Mounting Type	Net Weight (kg)	Gross Weight (kg)	Product Dimension LxWxH	Package Dimension LxWxH
50AH/12V IP68 gel battery sub-system-C	911401859501	6-CNJ-50	12V	68	In-ground	27.60	32.10	634x414x401	735x515x450
65AH/12V IP68 gel battery sub-system-C	911401859601	6-CNJ-65	12V	68	In-ground	29.60	34.10	634x414x401	735x515x450
80AH/12V IP68 gel battery sub-system-C	911401859701	6-CNJ-80	12V	68	In-ground	33.55	38.05	634x414x401	735x515x450
100AH/12V IP68 gel battery sub-system-C	911401859801	6-CNJ-100	12V	68	In-ground	36.55	41.05	634x414x401	735x515x450
120AH/12V IP68 gel battery sub-system-C	911401859901	6-CNJ-120	12V	68	In-ground	48.42	52.92	634x414x401	735x515x450
150AH/12V IP68 gel battery sub-system-C	911401860001	6-CNJ-150	12V	68	In-ground	51.42	55.92	634x414x401	735x515x450
200AH/12V IP68 gel battery sub-system-C	911401860101	6-CNJ-200	12V	68	In-ground	70.32	74.82	634x414x401	735x515x450
250AH/12V IP68 gel battery sub-system-C	911401860201	6-CNJ-250	12V	68	In-ground	80.27	84.77	634x414x401	735x515x450

24V Battery Sub-system	12NC	Model	Nominal System Voltage	IP	Mounting Type	Net Weight (kg)	Gross Weight (kg)	Product Dimension LxWxH	Package Dimension LxWxH
24V/50AH with 6-CNJ battery subsystem	911401822601	6-CNJ-50	24V	68	In-ground	55.20	62.40	830x634x401	1044x755x470
24V/65AH with 6-CNJ battery subsystem	911401822501	6-CNJ-65	24V	68	In-ground	59.20	66.40	830x634x401	1044x755x470
24V/80AH with 6-CNJ battery subsystem	911401822401	6-CNJ-80	24V	68	In-ground	67.10	74.30	830x634x401	1044x755x470
24V/100AH with 6-CNJ battery subsystem	911401822101	6-CNJ-100	24V	68	In-ground	73.10	80.30	830x634x401	1044x755x470
24V/120AH with 6-CNJ battery subsystem	911401822201	6-CNJ-120	24V	68	In-ground	96.90	104.10	830x634x401	1044x755x470
24V/150AH with 6-CNJ battery subsystem	911401822301	6-CNJ-150	24V	68	In-ground	102.90	110.10	830x634x401	1044x755x470
24V/200AH with 6-CNJ battery subsystem	911401821901	6-CNJ-200	24V	68	In-ground	104.60	111.80	830x634x401	1044x755x470
24V/250AH with 6-CNJ battery subsystem	911401822001	6-CNJ-250	24V	68	In-ground	160.60	167.80	830x634x401	1044x755x470

* D2D indicates the CC setting

* 6-CNJ indicates the supplier



Battery Sub-system (On-pole with CC)

-VRLA battery

Valve Regulated Lead Acid (VRLA) Battery integrates Gel electrolyte technology with long service life, high performance in deep discharging; it can be used in wide range of ambient temperature and keep good performance of constant power input.

Features, advantages & benefits

- Gelatin electrolyte, 12 years lifespan in float service without acidification at 77°F (25°C) owes to good recycle capability
- Low density electrolyte decelerates grid corrosion and guarantee long lifespan
- Germany-imported fumeless silica electrolyte with stable performance
- European PVC-SiO₂ separator specialized for gel battery with low inner resistance and high porosity resulting in long service life
- Flooded electrolyte design with extra electrolyte ensures good thermal conduction and emission
- Patented radial grid design pasting with active substances improves current carrying capacity and performance, resulting in long life
- High recovery ability, time and energy-saving
- Thick ABS (flame-retardant) container and cover, robust anti-vibration design, less leakage and bulge during transportation and operation, safe and reliable
- To save you money, Philips also offers semi-Gel battery with good economy and reliability



Specifications

Gel battery



	BT 12V	BT 12V	BT 12V	BT 12V	BT 12V	BT 12V	BT 12V	BT 12V
Battery Capacity at 77°F (25°C)	50AH	65AH	80AH	100AH	120AH	150AH	200AH	250AH
Rated Voltage	12V	12V	12V	12V	12V	12V	12V	12V
Cells	6	6	6	6	6	6	6	6
Discharge rate @ 10hrs	5.0A,10.8V	6.5A,10.8V	8.5A,10.8V	10.0A,10.8V	12.0A,10.8V	15.0A,10.8V	20.0A,10.8V	25.0A,10.8V
Average-Self discharge Rate, per month, 77°F(25°C)	≤2%							
Working Temperature Range	Charge	-20°C ~ 50°C						
	Discharge	-10°C ~ 50°C						
	Storage	-20°C ~ 50°C						
Max Charge Current	10A	13A	17A	20A	24A	30A	40A	62.5A
Temperature Compensation	18 ~ 24 mV/°C/pcs							

Battery Sub-system (On-pole with CC)

-Box



120/150/200/250 Ah



50/65/80/100 Ah

Features & advantages

- Anti-theft—Steel box accommodation for battery fixed on the pole with screw
- Easy installation —Tug for easy moving and construction; all plug-in connection
- Be ideal for prone-flood area
- Housing: Steel sheet, Thickness: 2mm body and 1.2mm cover
Color: White RAL9010





Battery Sub-system (On-pole with CC)

-Connectors



To panel 0.4m

To luminaire 0.4m

Features, advantages & benefits

- IP67 protection with firm seal
- Integrated device ensures connection seal and terminal positioning
- Plug-in system can be disassembled for easy maintenance on site
- Simple crimp-and-poke applied
- Tactile and audible mating feedback



Panel connector



Luminaire connector

Battery Sub-system (On-pole with CC) -Industrial Solar Charge Controller Gen 1⁺ CC

Gen 1 CC is an industrial-grade charge controller that is suitable for all practical PV applications.

High-quality, 4-stage PWM-charging is combined with amazing features such as: low-voltage disconnection, flexible load timer functions, and a multi-LED system status display.



Features

- Robust Aluminum Housing
- Epoxy Encapsulated PCB to Prevent Corrosion
- Compact Size
- Infrared Remote Control Programming Accessory (Control Unit)
- Intelligent Timer Functions
- Widely Programmable
- External Temperature Sensor
- 4 Stage Battery Charging (Main, Float, Boost, Equalization)
- Automatic System Voltage Recognition (12 V/24 V)
- Reverse polarity protection
- Short circuit protection: for panel and load terminals
- Over discharging protection
- Over voltage disconnection
- Automatic electronic fuse protection
- Over current protection: for load terminal
- Reverse current protection: for panel terminal
- Over temperature protection: reduce the charging current by WM until switch off the load

Battery Sub-system (On-pole with CC) - Industrial Solar Charge Controller Gen 1+ CC

Specifications

Nominal Voltage	12V/24V auto	Temperature Compensation	-4.2mV/K per cell
Max. Charge / Load Current	5A, 10A, 20A	Max. Self-Consumption	5 mA -8mA / 6mA -10mA
Float Voltage	13.8 / 27.6 V (25°C)	Ambient Temperature Range	-40°C to 60°C
Boost Voltage	14.4 / 28.8 V (25°C), 2h	Max Altitude	4000m
Equalization Voltage	14.8 / 29.6 V (25°C), 2h	Batter Type	Sealed, Flooded
Load Disconnect Voltage	11.00 -12.02 V / 22.00 -24.04 V	Evening/Morning Hours Range	0-15h, 0-14h
Load Reconnect Voltage	12.8 V / 25.6 V	Night/Day Detect Range	2.5-10V
High Voltage Disconnect	15.5 V / 31.0 V	Dimensions	82 x 58 x 20mm
Emergency Switch Off	<10.5 V / 21V	Weight	150g
Max. Solar Voltage	55V, by varistor	Wire Size	1.5mm ² for 5A / 10A; 2.5mm ² for 20A

Order information

Description	12NC	Model	IP	Net Weight (kg)	Gross Weight (kg)	Product Dimension LxWxH	Package Dimension LxWxH
50AH/12V battery subsys CC D2D 6-CNJ	911401826001	6-CNJ-50	21	34.5	36.7	540x238x265	578x349x370
65AH/12V battery subsys CC D2D 6-CNJ	911401826301	6-CNJ-65	21	36.5	38.7	540x238x265	578x349x370
80AH/12V battery subsys CC D2D 6-CNJ	911401826101	6-CNJ-80	21	40.5	42.7	540x238x265	578x349x370
100AH/12V battery subsys CC D2D 6-CNJ	911401826201	6-CNJ-100	21	43.5	45.7	540x238x265	578x349x370
120AH/12V battery subsys CC D2D 6-CNJ	911401826801	6-CNJ-120	21	63.5	67.5	710x386x316	735x515x450
150AH/12V battery subsys CC D2D 6-CNJ	911401826901	6-CNJ-150	21	66.5	70.5	710x386x316	735x515x450
200AH/12V battery subsys CC D2D 6-CNJ	911401827001	6-CNJ-200	21	85.5	89.5	710x386x316	735x515x450
250AH/12V battery subsys CC D2D 6-CNJ	911401827101	6-CNJ-250	21	95.5	99.5	710x386x316	735x515x450