



Solar indoor system for remote communities

Solar Indoor System

Solar indoor system for communities without access to electricity or with unreliable power supply. By harnessing the abundant energy from the sun, these systems deliver free and clean power to multiple lamps and appliances enhancing the lifestyles of remote communities.

Benefits

- Brings light to areas without access to electric grid or unreliable power supply
- Saves energy
- Extends lifestyles beyond sunset and improves comfort during the day
- Environment friendly
- Sturdy construction for long life
- Applicable to homes as well as business establishments
- Mobile charging via USB port
- Specific models for powering DC appliances for enhancing lifestyles of remote communities

Features

- Highly Efficient and long life LED light sources
- Easy to operate - Single button dimming and ON/OFF controls
- Highly efficient MPPT charge controllers for maximising run time and built in protection circuits for long life.
- Long lasting replaceable lithium ferro phosphate battery in all portable lamps
- Intuitive display for ease of use
- Charges mobile phones safely
- specific models with ability to power specific DC appliances

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Application

- Homes
- Small shops and business establishments
- Guard rooms
- Elementary schools
- Community centers

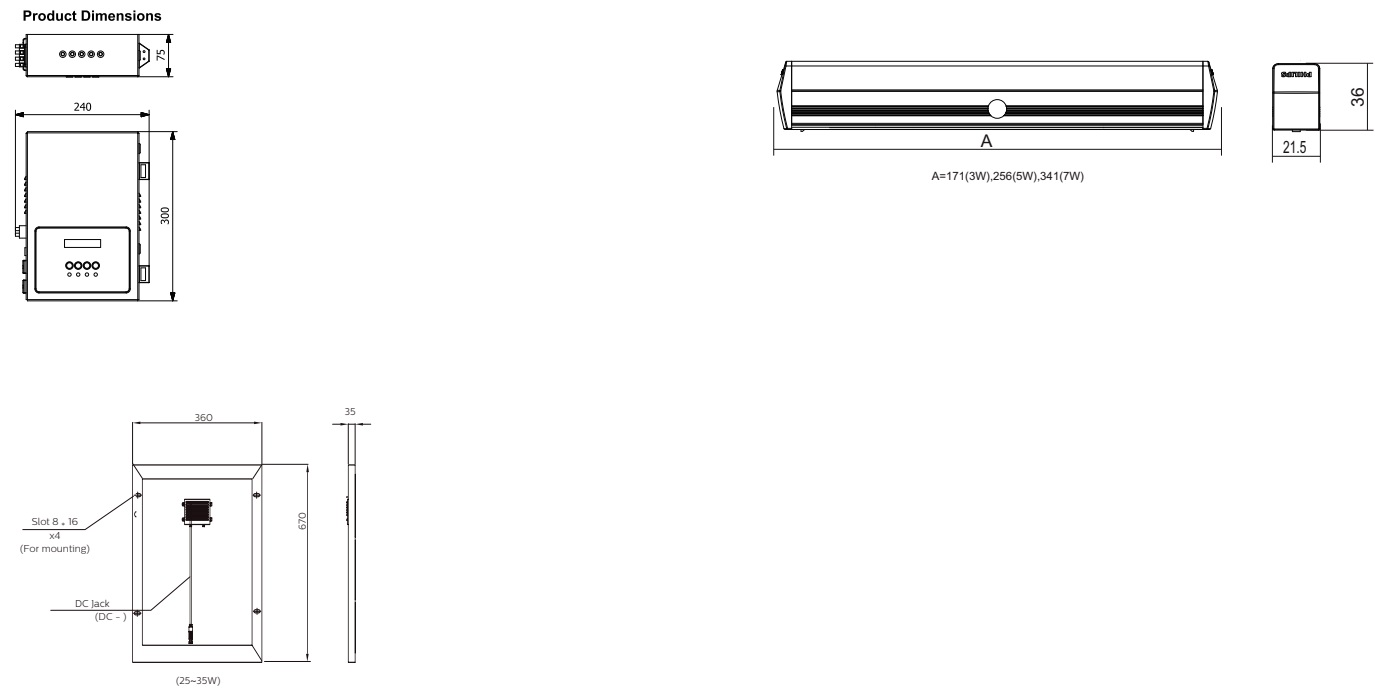
Versions



SIS 200

Batten image without cable and switch

Dimensional drawing



Temperature

Ambient temperature range 0 to +45 °C

Light Technical

Solar Indoor System

Order Code	Full Product Name	Correlated Color	Color rendering
		Temperature (Nom)	index (CRI)
919415811108	ZRP302 PVP 25Wp 12.3V	-	-
919415811109	ZRP302 PVP 35Wp 12.3V	-	-
919515812654	Solar Equip BN 305C CW 7W 12V DC-LLB	6500 K	>80
919515812893	Solar Equip BN 305C CW 3W 12V DC-WCS	6500 K	>80
919515812894	BN 305C CW 5W 12V DC-WCS	6500 K	>80
919515812895	BN 305C CW 7W 12V DC-WCS	6500 K	>80

Order Code	Full Product Name	Correlated Color	Color rendering
		Temperature (Nom)	index (CRI)
919515812907	SIS-200 Solar Indoor System	-	-
919515811359	Solar Equip BN305C CW 3W 12V DC	6500 K	>80
919515811360	Solar Equip BN305C CW 5W 12V DC	6500 K	>80
919515811361	Solar Equip BN305C CW 7W 12V DC	6500 K	>80

Operating and Electrical (1/2)

Order Code	Full Product Name	Battery	Battery charging &	Battery type	Battery voltage	Cable connection kit	Charge	Charge controller
		ampere hour	discharging cycles				controller type	wattage
919415811108	ZRP302 PVP 25Wp 12.3V	-	-	-	-	Excluded	-	-
919415811109	ZRP302 PVP 35Wp 12.3V	-	-	-	-	Excluded	-	-
919515812654	Solar Equip BN 305C CW 7W 12V DC-LLB	-	-	-	-	Excluded	-	-
919515812893	Solar Equip BN 305C CW 3W 12V DC-WCS	-	-	-	-	Included	-	-
919515812894	BN 305C CW 5W 12V DC-WCS	-	-	-	-	Included	-	-
919515812895	BN 305C CW 7W 12V DC-WCS	-	-	-	-	Included	-	-
919515812907	SIS-200 Solar Indoor System	80 Ah	2000	Lithium Ferro Phosphate	12.8 V	Excluded	MPPT	84 W
919515811359	Solar Equip BN305C CW 3W 12V DC	-	-	-	-	Excluded	-	-
919515811360	Solar Equip BN305C CW 5W 12V DC	-	-	-	-	Excluded	-	-
919515811361	Solar Equip BN305C CW 7W 12V DC	-	-	-	-	Excluded	-	-

Operating and Electrical (2/2)

Order Code	Full Product Name	Panel peak wattage	Panel type	Panel voltage
919415811108	ZRP302 PVP 25Wp 12.3V	25 W	Mono crystalline	12.3 V
919415811109	ZRP302 PVP 35Wp 12.3V	35 W	Mono crystalline	12.3 V
919515812654	Solar Equip BN 305C CW 7W 12V DC-LLB	-	-	-
919515812893	Solar Equip BN 305C CW 3W 12V DC-WCS	-	-	-
919515812894	BN 305C CW 5W 12V DC-WCS	-	-	-

Order Code	Full Product Name	Panel peak wattage	Panel type	Panel voltage
919515812895	BN 305C CW 7W 12V DC-WCS	-	-	-
919515812907	SIS-200 Solar Indoor System	200 W	-	18 Vmp V
919515811359	Solar Equip BN305C CW 3W 12V DC	-	-	-
919515811360	Solar Equip BN305C CW 5W 12V DC	-	-	-
919515811361	Solar Equip BN305C CW 7W 12V DC	-	-	-

Controls and Dimming

Order Code	Full Product Name	Dimmable	Configurability
919415811108	ZRP302 PVP 25Wp 12.3V	-	-
919415811109	ZRP302 PVP 35Wp 12.3V	-	-
919515812654	Solar Equip BN 305C CW 7W 12V DC-LLB	Yes	Not configurable
919515812893	Solar Equip BN 305C CW 3W 12V DC-WCS	Yes	Not configurable

Order Code	Full Product Name	Dimmable	Configurability
919515812894	BN 305C CW 5W 12V DC-WCS	Yes	Not configurable
919515812895	BN 305C CW 7W 12V DC-WCS	Yes	Not configurable
919515812907	SIS-200 Solar Indoor System	Yes	-
919515811359	Solar Equip BN305C CW 3W 12V DC	Yes	Not configurable

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Order Code	Full Product Name	Dimmable	Configurability
919515811360	Solar Equip BN305C CW 5W 12V DC	Yes	Not configurable

Order Code	Full Product Name	Dimmable	Configurability
919515811361	Solar Equip BN305C CW 7W 12V DC	Yes	Not configurable

Mechanical and Housing

Order Code	Full Product Name	Housing Color	Overall height	Overall length	Overall width
919415811108	ZRP302 PVP 25Wp 12.3V	-	35 mm	670 mm	360 mm
919415811109	ZRP302 PVP 35Wp 12.3V	-	35 mm	670 mm	360 mm
919515812654	Solar Equip BN 305C CW 7W 12V DC-LLB	Aluminum and white	21.5 mm	341 mm	36 mm
919515812893	Solar Equip BN 305C CW 3W 12V DC-WCS	Aluminum and white	21.5 mm	171 mm	36 mm
919515812894	BN 305C CW 5W 12V DC-WCS	Aluminum and white	21.5 mm	256 mm	36 mm
919515812895	BN 305C CW 7W 12V DC-WCS	Aluminum and white	21.5 mm	341 mm	36 mm

Order Code	Full Product Name	Housing Color	Overall height	Overall length	Overall width
919515812907	SIS-200 Solar Indoor System	Gray	75 mm	300 mm	230 mm
919515811359	Solar Equip BN305C CW 3W 12V DC	Aluminum and white	21.5 mm	256 mm	36 mm
919515811360	Solar Equip BN305C CW 5W 12V DC	Aluminum and white	21.5 mm	256 mm	36 mm
919515811361	Solar Equip BN305C CW 7W 12V DC	Aluminum and white	21.5 mm	341 mm	36 mm

Approval and Application

Order Code	Full Product Name	Ingress protection code
919415811108	ZRP302 PVP 25Wp 12.3V	-
919415811109	ZRP302 PVP 35Wp 12.3V	-
919515812654	Solar Equip BN 305C CW 7W 12V DC-LLB	IP40
919515812893	Solar Equip BN 305C CW 3W 12V DC-WCS	IP40
919515812894	BN 305C CW 5W 12V DC-WCS	IP40

Order Code	Full Product Name	Ingress protection code
919515812895	BN 305C CW 7W 12V DC-WCS	IP40
919515812907	SIS-200 Solar Indoor System	IP20
919515811359	Solar Equip BN305C CW 3W 12V DC	IP40
919515811360	Solar Equip BN305C CW 5W 12V DC	IP40
919515811361	Solar Equip BN305C CW 7W 12V DC	IP40

Application Conditions

Order Code	Full Product Name	Ambient temperature range for charging	Ambient temperature range for discharging (when light is on)	Battery location	Grid connection type	Solar dimming profile
919415811108	ZRP302 PVP 25Wp 12.3V	-	-	-	-	-
919415811109	ZRP302 PVP 35Wp 12.3V	-	-	-	-	-
919515812654	Solar Equip BN 305C CW 7W 12V DC-LLB	-	-	External	-	High
919515812893	Solar Equip BN 305C CW 3W 12V DC-WCS	-	-	External	-	High
919515812894	BN 305C CW 5W 12V DC-WCS	-	-	External	-	High
919515812895	BN 305C CW 7W 12V DC-WCS	-	-	External	-	High
919515812907	SIS-200 Solar Indoor System	0 °C to +45 °C °C	-20 °C to +35 °C °C	External	Off grid	High
919515811359	Solar Equip BN305C CW 3W 12V DC	-	-	External	-	High
919515811360	Solar Equip BN305C CW 5W 12V DC	-	-	External	-	High
919515811361	Solar Equip BN305C CW 7W 12V DC	-	-	External	-	High

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