



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

Solar Indoor System

Application

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

Versions



Batten image without cable and switch

SIS 30

Application Conditions

Ambient temperature range	0 to +45 °C
Solar dimming profile	High

Controls and Dimming

Dimmable	Yes
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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
919515811359	Solar Equip BN305C CW 3W 12V DC	-	-	External	-
919515811360	Solar Equip BN305C CW 5W 12V DC	-	-	External	-
919515811361	Solar Equip BN305C CW 7W 12V DC	-	-	External	-
919515812654	Solar Equip BN 305C CW 7W 12V DC-LLB	-	-	External	-
919515812893	Solar Equip BN 305C CW	-	-	External	-

Order Code	Full Product Name	Ambient temperature range for charging	Ambient temperature range for discharging (when light is on)	Battery location	Grid connection type
	3W 12V DC-WCS				
919515812894	BN 305C CW 5W 12V DC-WCS	-	-	External	-
919515812895	BN 305C CW 7W 12V DC-WCS	-	-	External	-
919515812907	SIS-200 Solar Indoor System	0 to +45 °C	-20 to +35 °C	External	Off grid
919515812941	SIS-30 Solar Indoor System	0 to +45 °C	-20 to +35 °C	Integrated	Off grid

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Approval and Application

Order Code	Full Product Name	Ingress protection code
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
919515812654	Solar Equip BN 305C CW 7W 12V DC-LLB	IP40
919515812893	Solar Equip BN 305C CW 3W 12V DC-WCS	IP40

Order Code	Full Product Name	Ingress protection code
919515812894	BN 305C CW 5W 12V DC-WCS	IP40
919515812895	BN 305C CW 7W 12V DC-WCS	IP40
919515812907	SIS-200 Solar Indoor System	IP20
919515812941	SIS-30 Solar Indoor System	IP20

Controls and Dimming

Order Code	Full Product Name	Configurability
919515811359	Solar Equip BN305C CW 3W 12V DC	Not configurable
919515811360	Solar Equip BN305C CW 5W 12V DC	Not configurable
919515811361	Solar Equip BN305C CW 7W 12V DC	Not configurable
919515812654	Solar Equip BN 305C CW 7W 12V DC-LLB	Not configurable
919515812893	Solar Equip BN 305C CW 3W 12V DC-WCS	Not configurable

Order Code	Full Product Name	Configurability
919515812894	BN 305C CW 5W 12V DC-WCS	Not configurable
919515812895	BN 305C CW 7W 12V DC-WCS	Not configurable
919515812907	SIS-200 Solar Indoor System	-
919515812941	SIS-30 Solar Indoor System	-

Operating and Electrical (1/2)

Order Code	Full Product Name	Battery ampere hour	Battery charging & discharging		Battery voltage	Cable connection kit	Charge controller type	Charge controller wattage
			cycles	Battery type				
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	-	-
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
919515812941	SIS-30 Solar Indoor System	10 Ah	2000	Lithium Ferro Phosphate	12.8 V	Excluded	MPPT	18 W

Operating and Electrical (2/2)

Order Code	Full Product Name	Panel peak	
		wattage	Panel voltage
919515811359	Solar Equip BN305C CW 3W 12V DC	-	-
919515811360	Solar Equip BN305C CW 5W 12V DC	-	-
919515811361	Solar Equip BN305C CW 7W 12V DC	-	-
919515812654	Solar Equip BN 305C CW 7W 12V DC-LLB	-	-
919515812893	Solar Equip BN 305C CW 3W 12V DC-WCS	-	-

Order Code	Full Product Name	Panel peak	
		wattage	Panel voltage
919515812894	BN 305C CW 5W 12V DC-WCS	-	-
919515812895	BN 305C CW 7W 12V DC-WCS	-	-
919515812907	SIS-200 Solar Indoor System	200 W	18 Vmp V
919515812941	SIS-30 Solar Indoor System	30 W	17 Vmp V

Initial Performance (IEC Compliant)

Solar Indoor System

Order Code	Full Product Name	Init. Corr. Color Temperature	Init. Color Rendering Index
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
919515812654	Solar Equip BN 305C CW 7W 12V DC-LLB	6500 K	>80

Order Code	Full Product Name	Init. Corr. Color Temperature	Init. Color Rendering Index
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
919515812907	SIS-200 Solar Indoor System	-	-
919515812941	SIS-30 Solar Indoor System	-	-

Mechanical and Housing

Order Code	Full Product Name	Color	Overall height	Overall length	Overall width
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
919515812654	Solar Equip BN 305C CW 7W 12V DC-LLB	Aluminum and white	21.5 mm	341 mm	36 mm

Order Code	Full Product Name	Color	Overall height	Overall length	Overall width
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
919515812907	SIS-200 Solar Indoor System	Gray	75 mm	300 mm	230 mm
919515812941	SIS-30 Solar Indoor System	Silver	86 mm	285 mm	210 mm

