

EnGo Slim

Solar Street Light

An ideal solution for:

- neighborhood
- business centers
- city centers
- streets



**Environmental
Sensors**



**Remote
Management System**



**Easy Installation
& Maintenance**



Smart Sensors



**High Quality
Lithium Battery**



**Powered By
The Sun**

EnGo Slim 4

Technical Data Sheet

SLIM 4 GENERAL SPECIFICATIONS

LED Lamp	25 W 3300 lm (+/- 5%)
Solar Power	4x40Wp (160Wp), Monocrystalline
Battery System	GEL Battery** 12 V, 55 Ah Lithium Ion Phosphate - LiFePO4 12 V, 30 Ah
Charge Controller	MPPT Controller 12 V
Pole	Hot Dip Galvanized + Powder Coated 4 m / 13 ft
Environmental Sensors	Available upon request

SOLAR PANEL MAIN CHARACTERISTICS

Maximum Output Power (Pmpp)	40 Wp
Power Tolerance	+/-5%
Solar Cell Efficiency	≥ 20%
Voltage at Pmpp (Vmpp)	17.6 V
Current at Pmpp (Impp)	2.27 A
Open Circuit Voltage (Voc)	20.8 V
Short Circuit Current (Isc)	2.45 A
Operating Temperature	-40 °C ↔ +85 °C
Maximum System Voltage	700 V
Maximum Series Fuse Rating	10 A

SOLAR PANEL MECHANICAL CHARACTERISTICS

Solar Cell Type	Monocrystalline (156.75 x 156.75) mm
Dimensions of Module	1335 x 170 x 4.5 mm
Cables Specialized for PV use	2.5mm2 x 0.9 mm
Weight	2.3 KG
Environmental Resistances	800g steel ball fall down from 1m height 60m/s wind

SOLAR PANEL TEMPERATURE CHARACTERISTICS

Current Temperature Coefficient	0.05 % / °C
Voltage Temperature Coefficient	-0.35 % / °C
Power Temperature Coefficient	-0.45 % / °C

BATTERY MAIN CHARACTERISTICS

Type	LiFePO4
Rated Voltage	12.8 V
Rated Capacity	30.4 Ah
Internal Resistance	≤ 45 Ohm
Dimensions	930+/- 6 mm 80+/-2 mm 40+/-2 mm
Weight	2.9 +/- 0.1 kg
Shell Material	Poly Vinyl Chloride (PVC)
Charge Voltage	14.4 +/- 0.15 V
Charge Current	≤ 5 A
Operating Temperature	-15 °C ↔ +70 °C
Passive Protection	Over-charge Protection Over-discharge Protection Temperature Protection Balanced Function

POLE CHARACTERISTICS

Height	4m/13ft
Pole Wall Thickness	approx. 4mm / 9 gauge*
Finishing Colors	White - RAL 9003 or Black - RAL 9005
Battery Storage	LifePO4: Inside Pole / GEL: Underground
Arm - Pole Angle	90° or 105°

CHARGER CONTROLLER MODEL CHARACTERISTICS

Model	VICTRON ENERGY SmartSolar MPPT 75/15 or EnGoPlanet MPPT Controller
Battery Voltage (auto select)	12 V
Rated Charge Current	15 A
Nominal PV Power, 12 V	220 W
Max. PV Short Circuit Current	15 A
Max. PV Open Circuit Voltage	75 V
Peak Efficiency	98%
Self-Consumption - Load On/Off	12 V: 25 mA
Charge Voltage 'Absorption'	14.4 V (Adjustable)
Charge Voltage 'Float'	13.8V (Adjustable)
Operating Temperature	-30°C ↔ +60°C
Safety Standards	EN/IEC 62109-1, UL 1741, CSA C22.2
Color	Blue (RAL 5012)
Protection Category	IP43 (electronic components), IP22 (connection area)
Weight	0.5 KG
Dimensions	100 x 113 x 40 mm

LED LAMP CHARACTERISTICS

Rated Power	25 W
Operating Temperature	-40 °C ↔ +50 °C
Power Factor (PF)	>0.9
Protection	Class I (Class II Optional)
Rated Voltage	12 VDC
Lumen Output	3300lm (+5%)
Correlated Color Temperature (CCT)	2200 K ↔ 6500 K
Ratings	IP 66 IK 10
Lifetime	> 100.000 hours - L70 @25°C (77 °F)
Body	Aluminum

PACKAGING DETAILS

POLE	
Packaging Dimension	4 x 0.26 x 0.16 m 13ft x 0.85ft x 0.52 ft

*Varies based on specific requirements
**GEL Deep cycle battery available, capacity depending on the desired autonomy

EnGo Slim 6

Technical Data Sheet

SLIM 6 GENERAL SPECIFICATIONS	
LED Lamp	50W 6600 lm (+/- 5%)
Solar Power	6x40Wp (240Wp), Monocrystalline
Battery System	GEL Battery 24 V, 75 Ah Lithium Ion Phosphate – LiFePO4 24V, 30Ah or 24V, 60Ah
Charge Controller	MPPT Controlle 24 V
Pole	Hot Dip Galvanized + Powder Coated 6 m / 20 ft
Environmental Sensors	Available upon request

SOLAR PANEL MAIN CHARACTERISTICS	
Maximum Output Power (Pmpp)	40 Wp
Power Tolerance	+/-5%
Solar Cell Efficiency	≥ 20%
Voltage at Pmpp (Vmpp)	17.6 V
Current at Pmpp (Impp)	2.27 A
Open Circuit Voltage (Voc)	20.8 V
Short Circuit Current (Isc)	2.45 A
Operating Temperature	-40 °C ↔ +85 °C
Maximum System Voltage	700 V
Maximum Series Fuse Rating	10 A

SOLAR PANEL MECHANICAL CHARACTERISTICS	
Solar Cell Type	Monocrystalline (156.75 × 156.75) mm
Dimensions of Module	1335 × 170 × 4.5 mm
Cables Specialized for PV use	2.5mm2 × 0.9 mm
Weight	2.3 KG
Environmental Resistances	800g steel ball fall down from 1m height 60m/s wind

SOLAR PANEL TEMPERATURE CHARACTERISTICS	
Current Temperature Coefficient	0.05 % / °C
Voltage Temperature Coefficient	-0.35 % / °C
Power Temperature Coefficient	-0.45 % / °C

GEL Deep Cycle BATTERY MAIN CHARACTERISTICS	
Type	GEL Deep Cycle Battery
Rated Voltage	12 V
Nominal Capacity	75 Ah
Internal Resistance	7 mOhm
Dimensions	260 x 168 x 214 mm
Weight	23 kg
Cycle Life	Approx. 900 cycles 50% DOD
Maximum Charging Current	18.75 A
Operating Temperature	-10 °C ↔ +60 °C

LiFePO4 BATTERY MAIN CHARACTERISTICS	
Type	LiFePO4
Rated Voltage	12.8 V
Rated Capacity	30.4 Ah
Internal Resistance	≤ 45 Ohm
Dimensions	930+/- 6 mm 80+/-2 mm 40+/-2 mm
Weight	2.9 +/- 0.1 kg
Shell Material	Poly Vinyl Chloride (PVC)
Charge Voltage	14.4 +/- 0.15 V
Charge Current	≤ 5 A
Operating Temperature	-15 °C ↔ +70 °C
Passive Protection	Over-charge Protection Over-discharge Protection Temperature Protection Balanced Function

POLE CHARACTERISTICS	
Height	6 m / 20 ft
Pole Wall Thickness	approx. 4mm / 9 gauge*
Finishing Colors	White - RAL 9003 or Black - RAL 9005
Battery Storage	LifePO4: Inside Pole / GEL: Underground
Arm - Pole Angle	90° or 105°

CHARGER CONTROLLER MODEL CHARACTERISTICS	
Model	VICTRON ENERGY SmartSolar MPPT 75/15 or EnGoPlanet MPPT Controller
Battery Voltage (auto select)	24 V
Rated Charge Current	15 A
Nominal PV Power, 12 V	440 W
Max. PV Short Circuit Current	15 A
Max. PV Open Circuit Voltage	75 V
Peak Efficiency	98%
Self-Consumption - Load On/Off	24 V: 15 mA
Charge Voltage 'Absorption'	28.8 V (Adjustable)
Charge Voltage 'Float'	27.6 V (Adjustable)
Operating Temperature	-30°C ↔ + 60°C
Safety Standards	EN/IEC 62109-1, UL 1741, CSA C22.2
Color	Blue (RAL 5012)
Protection Category	IP43 (electronic components), IP22 (connection area)
Weight	0.5 KG
Dimensions	100 x 113 x 40 mm

LED LAMP ELECTRICAL PARAMETERS	
Rated Power	50 W
Operating Temperature	-40 °C ↔ +50 °C
Power Factor (PF)	>0.9
Protection	Class I (Class II Optional)
Rated Voltage	24 VDC
Lumen Output	56600lm (+-5%)
Correlated Color Temperature (CCT)	2200 K ↔ 6500 K
Ratings	IP 66 IK 10
Lifetime	> 100.000 hours - L70 @25°C (77 °F)
Body	Aluminum

PACKAGING DETAILS	
POLE	
Packaging Dimension	5.8 x 0.26 x 0.16 m 19 ft x 0.85 ft x 0.52 ft

*Varies based on specific requirements

EnGo Slim 8

Technical Data Sheet

SLIM 8 GENERAL SPECIFICATIONS

LED Lamp	70 W 9300 lm (+/- 5%)
Solar Power	8x40Wp (320Wp), Monocrystalline
Battery System	GEL Battery 24 V, 100 Ah Lithium Ion Phosphate - LiFePO4 24V, 60Ah
Charge Controller	MPPT Controller 24 V
Pole	Hot Dip Galvanized + Powder Coated 8 m / 26 ft
Environmental Sensors	Available upon request

SOLAR PANEL MAIN CHARACTERISTICS

Maximum Output Power (Pmpp)	40 Wp
Power Tolerance	+/-5%
Solar Cell Efficiency	≥ 20%
Voltage at Pmpp (Vmpp)	17.6 V
Current at Pmpp (Impp)	2.27 A
Open Circuit Voltage (Voc)	20.8 V
Short Circuit Current (Isc)	2.45 A
Operating Temperature	-40 °C ↔ +85 °C
Maximum System Voltage	700 V
Maximum Series Fuse Rating	10 A

SOLAR PANEL MECHANICAL CHARACTERISTICS

Solar Cell Type	Monocrystalline (156.75 × 156.75) mm
Dimensions of Module	1335 × 170 × 4.5 mm
Cables Specialized for PV use	2.5mm2 × 0.9 m
Weight	2.3 KG
Environmental Resistances	800g steel ball fall down from 1m height 60m/s wind

SOLAR PANEL TEMPERATURE CHARACTERISTICS

Current Temperature Coefficient	0.05 % / °C
Voltage Temperature Coefficient	-0.35 % / °C
Power Temperature Coefficient	-0.45 % / °C

GEL Deep Cycle BATTERY MAIN CHARACTERISTICS

Type	GEL Deep Cycle Battery
Rated Voltage	12 V
Nominal Capacity	100 Ah
Internal Resistance	5 mOhm
Dimensions	330 x 171 x 220 mm
Weight	30.5 kg
Cycle Life	Approx. 1100 cycles 50% DOD
Maximum Charging Current	25 A
Operating Temperature	-10 °C ↔ +60 °C

LiFePO4 BATTERY MAIN CHARACTERISTICS

Type	LiFePO4
Rated Voltage	12.8 V
Rated Capacity	30.4 Ah
Internal Resistance	≤ 45 Ohm
Dimensions	930+/- 6 mm 80+/-2 mm 40+/-2 mm
Weight	2.9 +/- 0.1 kg
Shell Material	Poly Vinyl Chloride (PVC)
Charge Voltage	14.4 +/- 0.15 V
Charge Current	≤ 5 A
Operating Temperature	-15 °C ↔ +70 °C
Passive Protection	Over-charge Protection Over-discharge Protection Temperature Protection Balanced Function

POLE CHARACTERISTICS

Height	8 m / 26 ft
Pole Wall Thickness	approx. 4mm / 9 gauge*
Finishing Colors	White - RAL 9003 or Black - RAL 9005
Battery Storage	LifePO4: Inside Pole / GEL: Underground
Arm - Pole Angle	90° or 105°

CHARGER CONTROLLER MODEL CHARACTERISTICS

Model	VICTRON ENERGY SmartSolar MPPT 75/15 or EnGoPlanet MPPT Controller
Battery Voltage (auto select)	24 V
Rated Charge Current	15 A
Nominal PV Power, 12 V	440 W
Max. PV Short Circuit Current	15 A
Max. PV Open Circuit Voltage	75 V
Peak Efficiency	98%
Self-Consumption - Load On/Off	24 V: 15 mA
Charge Voltage 'Absorption'	28.8 V (Adjustable)
Charge Voltage 'Float'	27.6 V (Adjustable)
Operating Temperature	-30°C ↔ +60°C
Safety Standards	EN/IEC 62109-1, UL 1741, CSA C22.2
Color	Blue (RAL 5012)
Protection Category	IP43 (electronic components), IP22 (connection area)
Weight	0.5 KG
Dimensions	100 x 113 x 40 mm

LED LAMP CHARACTERISTICS

Rated Power	70 W
Operating Temperature	-40 °C ↔ +50 °C
Power Factor (PF)	>0.9
Protection	Class I (Class II Optional)
Rated Voltage	24 VDC
Lumen Output	5050: 9300 lm (+-5%)
Correlated Color Temperature (CCT)	2200 K ↔ 6500 K
Ratings	IP 66 IK 10
Lifetime	> 100.000 hours - L70 @25°C (77 °F)
Body	Aluminum

PACKAGING DETAILS

POLE	
Packaging Dimension	8 x 0.26 x 0.16 m 26 ft x 0.85 ft x 0.52 ft

*Varies based on specific requirements

EnGo Slim 10

Technical Data Sheet

SLIM 10 GENERAL SPECIFICATIONS

LED Lamp	100 W 13200 lm (+/- 5%)
Solar Power	10x40Wp (400Wp), Monocrystalline
Battery System	GEL Battery 24 V, 150 Ah
Charge Controller	MPPT Controller 24 V
Pole	Hot Dip Galvanized + Powder Coated 10 m / 32 ft
Environmental Sensors	Available upon request

SOLAR PANEL MAIN CHARACTERISTICS

Maximum Output Power (Pmpp)	40 Wp
Power Tolerance	+/-5%
Solar Cell Efficiency	≥ 20%
Voltage at Pmpp (Vmpp)	17.6 V
Current at Pmpp (Impp)	2.27 A
Open Circuit Voltage (Voc)	20.8 V
Short Circuit Current (Isc)	2.45 A
Operating Temperature	-40 °C ↔ +85 °C
Maximum System Voltage	700 V
Maximum Series Fuse Rating	10 A

SOLAR PANEL MECHANICAL CHARACTERISTICS

Solar Cell Type	Monocrystalline (156.75 × 156.75) mm
Dimensions of Module	1335 × 170 × 4.5 mm
Cables Specialized for PV use	2.5mm ² × 0.9 m
Weight	2.3 KG
Environmental Resistances	800g steel ball fall down from 1m height 60m/s wind

SOLAR PANEL TEMPERATURE CHARACTERISTICS

Current Temperature Coefficient	0.05 % / °C
Voltage Temperature Coefficient	-0.35 % / °C
Power Temperature Coefficient	-0.45 % / °C

GEL Deep Cycle BATTERY MAIN CHARACTERISTICS

Type	GEL Deep Cycle Battery
Rated Voltage	12 V
Nominal Capacity	150 Ah
Internal Resistance	3.9 mOhm
Dimensions	485 x 172 x 240 mm
Weight	43 kg
Cycle Life	Approx. 1100 cycles 50% DOD
Maximum Charging Current	37.5 A
Operating Temperature	-10 °C ↔ +60 °C

POLE CHARACTERISTICS

Height	10 m / 32 ft
Pole Wall Thickness	approx. 4mm / 9 gauge*
Finishing Colors	White - RAL 9003 or Black - RAL 9005
Battery Storage	Underground
Arm - Pole Angle	90° or 105°

CHARGER CONTROLLER MODEL CHARACTERISTICS

Model	VICTRON ENERGY SmartSolar MPPT 75/15 or EnGoPlanet MPPT Controller
Battery Voltage (auto select)	24 V
Rated Charge Current	15 A
Nominal PV Power, 12 V	440 W
Max. PV Short Circuit Current	15 A
Max. PV Open Circuit Voltage	75 V
Peak Efficiency	98%
Self-Consumption - Load On/Off	24 V: 15 mA
Charge Voltage 'Absorption'	28.8 V (Adjustable)
Charge Voltage 'Float'	27.6 V (Adjustable)
Operating Temperature	-30°C ↔ + 60°C
Safety Standards	EN/IEC 62109-1, UL 1741, CSA C22.2
Color	Blue (RAL 5012)
Protection Category	IP43 (electronic components), IP22 (connection area)
Weight	0.5 KG
Dimensions	100 x 113 x 40 mm

LED LAMP CHARACTERISTICS

Rated Power	100 W
Operating Temperature	-40 °C ↔ +50 °C
Power Factor (PF)	>0.9
Protection	Class I (Class II Optional)
Rated Voltage	24 VDC
Lumen Output	13200 lm (+5%)
Correlated Color Temperature (CCT)	2200 K ↔ 6500 K
Ratings	IP 66 IK 10
Lifetime	> 100.000 hours - L70 @25°C (77 °F)
Body	Aluminum

PACKAGING DETAILS

POLE	
Packaging Dimension	10 x 0.2x 0.1 m 32 ft x 0.66 ft x 0.33 ft

*Varies based on specific requirements

EnGo Slim Double 8

Technical Data Sheet

SLIM DOUBLE 8 GENERAL SPECIFICATIONS

LED Lamp	2 x 50 W 2 x 6600 lm (+/- 5%)
Solar Power	10x40Wp (400Wp), Monocrystalline
Battery System	GEL Battery 24 V, 150 Ah Lithium Ion Phosphate - LiFePO4 24V, 60Ah
Charge Controller	MPPT Controller 24 V
Pole	Hot Dip Galvanized + Powder Coated 8m / 26ft
Environmental Sensors	Available upon request

SOLAR PANEL MAIN CHARACTERISTICS

Maximum Output Power (Pmpp)	40 Wp
Power Tolerance	+/-5%
Solar Cell Efficiency	≥ 20%
Voltage at Pmpp (Vmpp)	17.6 V
Current at Pmpp (Impp)	2.27 A
Open Circuit Voltage (Voc)	20.8 V
Short Circuit Current (Isc)	2.45 A
Operating Temperature	-40 °C ↔ +85 °C
Maximum System Voltage	700 V
Maximum Series Fuse Rating	10 A

SOLAR PANEL MECHANICAL CHARACTERISTICS

Solar Cell Type	Monocrystalline (156.75 x 156.75) mm
Dimensions of Module	1335 x 170 x 4.5 mm
Cables Specialized for PV use	2.5mm ² x 0.9 m
Weight	2.3 KG
Environmental Resistances	800g steel ball fall down from 1m height 60m/s wind

SOLAR PANEL TEMPERATURE CHARACTERISTICS

Current Temperature Coefficient	0.05 % / °C
Voltage Temperature Coefficient	-0.35 % / °C
Power Temperature Coefficient	-0.45 % / °C

GEL Deep Cycle BATTERY MAIN CHARACTERISTICS

Type	GEL Deep Cycle Battery
Rated Voltage	12 V
Nominal Capacity	150 Ah
Internal Resistance	3.9 mOhm
Dimensions	485 x 172 x 240 mm
Weight	43 kg
Cycle Life	Approx. 1100 cycles 50% DOD
Maximum Charging Current	37.5 A
Operating Temperature	-10 °C ↔ +60 °C

LiFePO4 BATTERY MAIN CHARACTERISTICS

Type	LiFePO4
Rated Voltage	12.8 V
Rated Capacity	30.4 Ah
Internal Resistance	≤ 45 Ohm
Dimensions	930+/- 6 mm 80+/-2 mm 40+/-2 mm
Weight	2.9 +/- 0.1 kg
Shell Material	Poly Vinyl Chloride (PVC)
Charge Voltage	14.4 +/- 0.15 V
Charge Current	≤ 5 A
Operating Temperature	-15 °C ↔ +70 °C
Passive Protection	Over-charge Protection Over-discharge Protection Temperature Protection Balanced Function

POLE CHARACTERISTICS

Height	8m / 26ft
Pole Wall Thickness	approx. 4mm / 9 gauge*
Finishing Colors	White - RAL 9003 or Black - RAL 9005
Battery Storage	LifePO4: Inside Pole / GEL: Underground
Arm - Pole Angle	90° or 105°

CHARGER CONTROLLER MODEL CHARACTERISTICS

Model	VICTRON ENERGY SmartSolar MPPT 75/15 or EnGoPlanet MPPT Controller
Battery Voltage (auto select)	24 V
Rated Charge Current	15 A
Nominal PV Power, 12 V	440 W
Max. PV Short Circuit Current	15 A
Max. PV Open Circuit Voltage	75 V
Peak Efficiency	98%
Self-Consumption - Load On/Off	24 V: 15 mA
Charge Voltage 'Absorption'	28.8 V (Adjustable)
Charge Voltage 'Float'	27.6 V (Adjustable)
Operating Temperature	-30°C ↔ +60°C
Safety Standards	EN/IEC 62109-1, UL 1741, CSA C22.2
Color	Blue (RAL 5012)
Protection Category	IP43 (electronic components), IP22 (connection area)
Weight	0.5 KG
Dimensions	100 x 113 x 40 mm

LED LAMP ELECTRICAL PARAMETERS

Rated Power	50 W
Operating Temperature	-40 °C ↔ +50 °C
Power Factor (PF)	>0.9
Protection	Class I (Class II Optional)
Rated Voltage	24 VDC
Lumen Output	6600 lm (+/-5%) (Per Arm)
Correlated Color Temperature (CCT)	2200 K ↔ 6500 K
Ratings	IP 66 IK 10
Lifetime	>100.000 hours - L70 @25°C (77 °F)
Body	Aluminum

PACKAGING DETAILS

POLE	
Packaging Dimension	8 x 0.26 x 0.16 m 26 ft x 0.85 ft x 0.52 ft

*Varies based on specific requirements

EnGo Slim Double 10

Technical Data Sheet

SLIM DOUBLE 10 GENERAL SPECIFICATIONS

LED Lamp	2 x 70 W 2 x 9300 lm (+/- 5%)
Solar Power	12x40Wp (480 Wp), Monocrystalline
Battery System	GEL Battery 24 V, 230 Ah
Charge Controller	MPPT Controller 24 V
Pole	Hot Dip Galvanized + Powder Coated 10m / 33ft
Environmental Sensors	Available upon request

SOLAR PANEL MAIN CHARACTERISTICS

Maximum Output Power (Pmpp)	40 Wp
Power Tolerance	+/-5%
Solar Cell Efficiency	≥ 20%
Voltage at Pmpp (Vmpp)	17.6 V
Current at Pmpp (Impp)	2.27 A
Open Circuit Voltage (Voc)	20.8 V
Short Circuit Current (Isc)	2.45 A
Operating Temperature	-40 °C ↔ +85 °C
Maximum System Voltage	700 V
Maximum Series Fuse Rating	10 A

SOLAR PANEL MECHANICAL CHARACTERISTICS

Solar Cell Type	Monocrystalline (156.75 x 156.75) mm
Dimensions of Module	1335 x 170 x 4.5 mm
Cables Specialized for PV use	2.5mm2 x 0.9 m
Weight	2.3 KG
Environmental Resistances	800g steel ball fall down from 1m height 60m/s wind

SOLAR PANEL TEMPERATURE CHARACTERISTICS

Current Temperature Coefficient	0.05 % / °C
Voltage Temperature Coefficient	-0.35 % / °C
Power Temperature Coefficient	-0.45 % / °C

GEL Deep Cycle BATTERY MAIN CHARACTERISTICS

Type	GEL battery
Rated Voltage	12 V
Nominal Capacity	230 Ah
Internal Resistance	3.0 mOhms
Dimensions	522 x 238 x 221 mm
Weight	57.5 kg
Cycle Life	800 cycles 50% DOD
Maximum Charging Current	60A
Operating Temperature	-10 °C ↔ +60 °C

POLE CHARACTERISTICS

Height	10m / 33ft
Pole Wall Thickness	approx. 4mm / 9 gauge*
Finishing Colors	White - RAL 9003 or Black - RAL 9005
Battery Storage	Underground
Arm - Pole Angle	90° or 105°

CHARGER CONTROLLER MODEL CHARACTERISTICS

Model	VICTRON ENERGY SmartSolar MPPT 100/15 or EnGoPlanet MPPT Controller
Battery Voltage (auto select)	24 V
Rated Charge Current	15 A
Nominal PV Power, 12 V	440 W
Max. PV Short Circuit Current	15 A
Max. PV Open Circuit Voltage	100 V
Peak Efficiency	98%
Self-Consumption - Load On/Off	24 V: 20 mA
Charge Voltage 'Absorption'	28.8 V (Adjustable)
Charge Voltage 'Float'	27.6 V (Adjustable)
Operating Temperature	-30°C ↔ +60°C
Safety Standards	EN/IEC 62109-1, UL 1741, CSA C22.2
Color	Blue (RAL 5012)
Protection Category	IP43 (electronic components), IP22 (connection area)
Weight	0.5 KG
Dimensions	100 x 113 x 40 mm

LED LAMP ELECTRICAL PARAMETERS

Rated Power	70 W
Operating Temperature	-40 °C ↔ +50 °C
Power Factor (PF)	>0.9
Protection	Class I (Class II Optional)
Rated Voltage	24 VDC
Lumen Output	9300 lm (+/-5%) (Per Arm)
Correlated Color Temperature (CCT)	2200 K ↔ 6500 K
Ratings	IP 66 IK 10
Lifetime	> 100.000 hours - L70 @25°C (77 °F)
Body	Aluminum

PACKAGING DETAILS

POLE	
Packaging Dimension	10 x 0.2x 0.1 m 32 ft x 0.66 ft x 0.33 ft

*Varies based on specific requirements