

SOLAR ENGINE

- MINI
- COMPACT
- OPTIMA
- MAX

-  110-230 VAC
- 24 VDC



FEATURES

- Energy efficient, anti reflective solar panel
- Long operating time
- Modular / user-replaceable design
- Variable solar engine size

APPLICATION

S4GA Solar Engines are designed to power airfield lighting by solar energy.

SE-40

SOLAR ENGINE MINI



SE-150

SOLAR ENGINE COMPACT



TECHNICAL SPECIFICATIONS

General	
Solar Panel	<ul style="list-style-type: none"> • Solar Panel Size: 40 W • Adjustable and replaceable solar panel • Anti-glare coated solar panel
Power Bank	<ul style="list-style-type: none"> • Power Bank Capacity: 336 Wh • Power Output: 110-230 VAC (optional: 24 VDC) • User-replaceable battery • Deep-cycle VRLA battery (available worldwide) • Rechargeable battery • Battery monitoring (optional) • Emergency ON/OFF button
Components Included	
<ul style="list-style-type: none"> • Frame for solar panels • Special casing for Power Bank (IP-67) • Frangible legs for both power banks and solar panel's frame 	
Inverter Charger	
<ul style="list-style-type: none"> • Victron MultiPlus 24 / 3000 / 70-16 • DC Voltage: 24 volts • Continuous output: 2 500 Watts AC • Battery charge current: 70 Amps DC 	
Lighting Equipment	
<ul style="list-style-type: none"> • Wind Direction Indicator • Runway Guard Light • Inset Light 	

TECHNICAL SPECIFICATIONS

General	
Solar Panel	<ul style="list-style-type: none"> • Solar Panel Size: 175 W • Adjustable and replaceable solar panel • Anti-glare coated solar panel
Power Bank	<ul style="list-style-type: none"> • Power Bank Capacity: 720 Wh (optional: 1440 Wh) • Power Output: 110-230 VAC (optional: 24 VDC) • User-replaceable battery • Deep-cycle VRLA battery (available worldwide) • Rechargeable battery • Battery monitoring (optional) • Emergency ON/OFF button
Components Included	
<ul style="list-style-type: none"> • Frame for solar panels • Special casing for Power Bank (IP-67) • Frangible legs for both power banks and solar panel's frame 	
Inverter Charger	
<ul style="list-style-type: none"> • Victron MultiPlus 24 / 3000 / 70-16 • DC Voltage: 24 volts • Continuous output: 2 500 Watts AC • Battery charge current: 70 Amps DC 	
Lighting Equipment	
<ul style="list-style-type: none"> • Illuminated Airport Guidance Sign 	

SE-350

SOLAR ENGINE OPTIMA



SE-700

SOLAR ENGINE MAX



TECHNICAL SPECIFICATIONS














General	
Solar Panel	<ul style="list-style-type: none"> Solar Panel Size: 360 W Adjustable and replaceable solar panel Anti-glare coated solar panel
Power Bank	<ul style="list-style-type: none"> Power Bank Capacity: 1320 Wh (optional: 2640 Wh) Power Output: 110-230 VAC (optional: 24 VDC) User-replaceable battery Deep-cycle VRLA battery (available worldwide) Rechargeable battery Battery monitoring (optional) Emergency ON/OFF button
Solar Panel Angle	15 deg, 35 deg, 55 deg
Components Included	
	<ul style="list-style-type: none"> Frame for solar panels Special casing for Power Bank (IP-67) Frangible legs for both power banks and solar panel's frame
Inverter Charger	
	<ul style="list-style-type: none"> Victron MultiPlus 24 / 3000 / 70-16 DC Voltage: 24 volts Continuous output: 2 500 Watts AC Battery charge current: 70 Amps DC
Lighting Equipment	
	<ul style="list-style-type: none"> Illuminated Airport Guidance Sign Group of Inset Lights

TECHNICAL SPECIFICATIONS

General	
Solar Panel	<ul style="list-style-type: none"> Solar Panel Size: 720 W Adjustable and replaceable solar panel Anti-glare coated solar panel
Power Bank	<ul style="list-style-type: none"> Power Bank Capacity: 2640 Wh (optional: 5280 Wh) Power Output: 110-230 VAC (optional: 24 VDC) User-replaceable battery Deep-cycle VRLA battery (available worldwide) Rechargeable battery Battery monitoring (optional) Emergency ON/OFF button
Solar Panel Angle	15 deg, 35 deg, 55 deg
Components Included	
	<ul style="list-style-type: none"> Frame for solar panels Special casing for Power Bank (IP-67) Frangible legs for both power banks and solar panel's frame
Inverter Charger	
	<ul style="list-style-type: none"> Victron MultiPlus 24 / 3000 / 70-16 DC Voltage: 24 volts Continuous output: 2 500 Watts AC Battery charge current: 70 Amps DC
Lighting Equipment	
	<ul style="list-style-type: none"> Full PAPI System (4x projectors) A-PAPI System (2x projectors)

SHIPPING DATA

Item	Dimensions of Package	Gross Weight
SE-40 Solar Engine Mini	Adjustable	27,7 kg
SE-150 Solar Engine Compact	Adjustable	160 kg
SE-350 Solar Engine Optima	Adjustable	up to 212 kg
SE-700 Solar Engine Max	Adjustable	up to 409 kg

SOLAR ENGINE		AIRFIELD LIGHTING EQUIPMENT		
SE-40 MINI		 WIND DIRECTION INDICATOR	 RUNWAY GUARD LIGHT	 INSET LIGHT
SE-150 COMPACT		 ILLUMINATED AIRPORT GUIDANCE SIGN SMALL	 ILLUMINATED AIRPORT GUIDANCE SIGN MEDIUM	
SE-350 OPTIMA		 ILLUMINATED AIRPORT GUIDANCE SIGN LARGE	 GROUP OF INSET LIGHTS	
SE-700 MAX		 FULL PAPI SYSTEM 4 PROJECTORS		
		 A-PAPI SYSTEM 2 PROJECTORS		

