

Streetlighting Kits High Light



The ability to provide continuous power in any environment makes solar systems perfect for street lighting systems of any size and any type. From lighting small park paths up to busy main roads in big cities Off-Grid PV systems are the best long term solution with the best cost-performance ratio.

Phaesun Streetlighting Kits High Light are perfectly designed for outside illumination e.g. parking areas, public paths, roads, soccer fields etc. All kits are individually sized and equipped with the fitting components depending on the irradiation zone, including the innovative lighting element with 11 – 60 W high quality LEDs. The integrated charge controller is programmable with nightlight function. Therefore the Streetlighting Kits can automatically switch on as soon as the sun goes down and switch off with the sun rise. Furthermore the light output can be dimmed in two steps to regulate the electricity consumption.

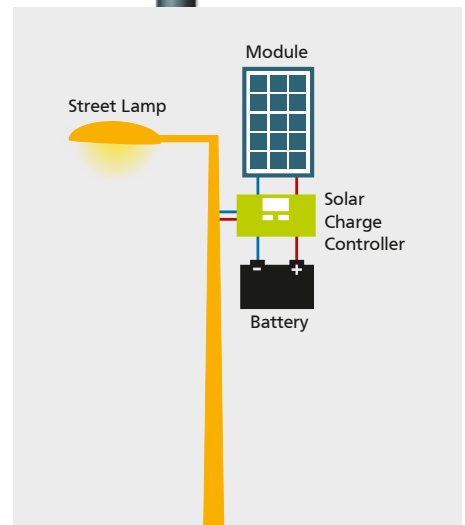
This makes it possible to run the streetlight with full light output in the busy evening hours and in the busy morning hours and run them with a reduced output around midnight. Module and battery sizing based on a flux reduction of 50% and an autonomy period of 84 hours.

All kits include the following components:

- Streetlight element with 11 – 60 W high efficiency LEDs
- Crystalline solar module
- AGM battery
- Lamp holder
- Lamp bracket
- Solar charge controller with time program function
- Top-of-pole battery box
- Module mounting structure (no pole)

How to find the right kit

Streetlight kits are designed according to different irradiation zones (IG1 – IG4). Have a look on the irradiation map on the back cover, find out in which irradiation group your system will be located. Then you get the right article number for your perfectly fitting street light system! In addition the following table gives you some more assistance. Please ask our sales team to find the right kit for your location.



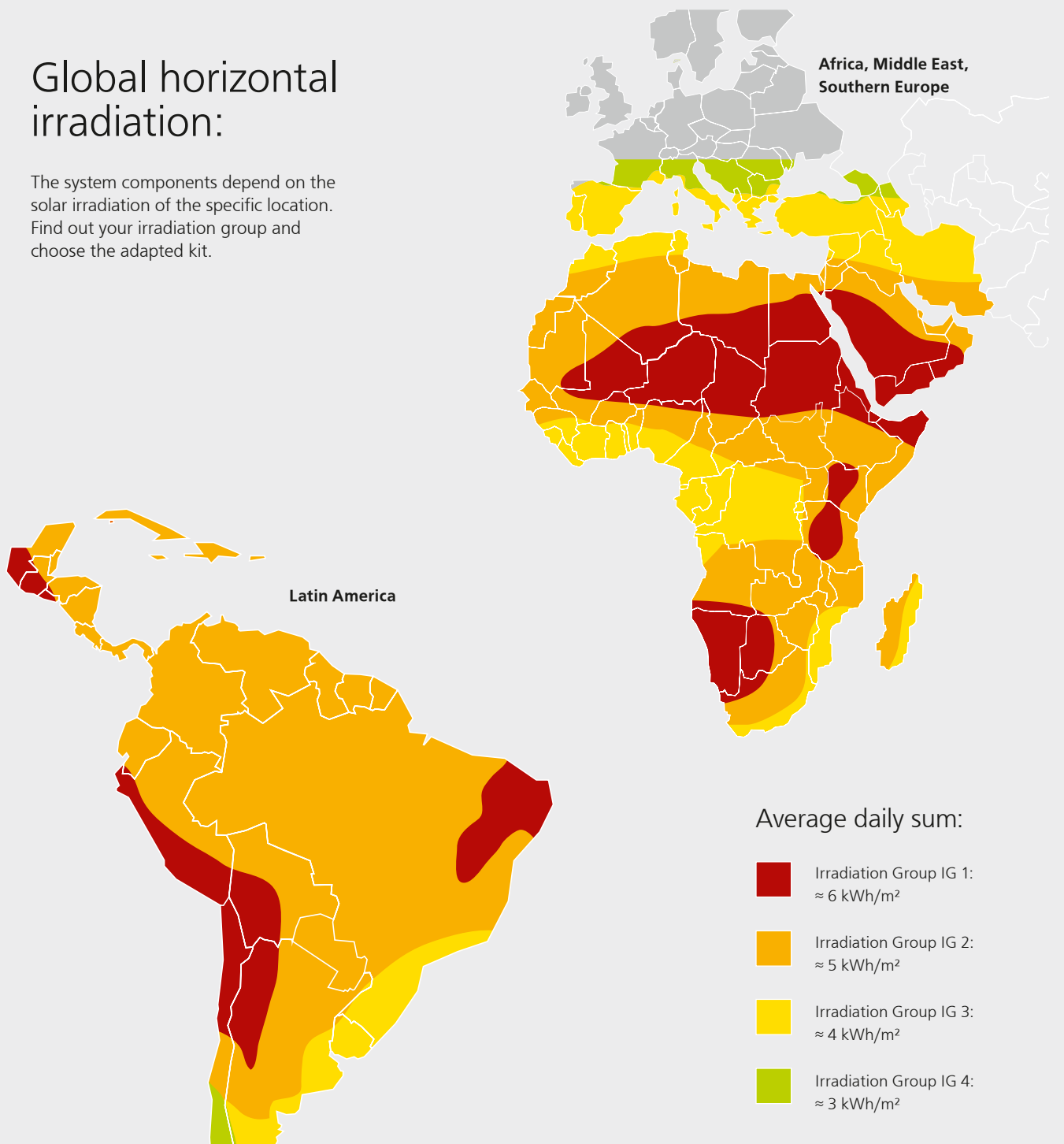
	15 W 1350 lm	22 W 1980 lm	30 W 2700 lm	37 W 3300 lm
Northern and North-East Africa, Desert and Subtropical Africa, Southern Africa, Middle East, Most parts of Latin America				
IG 1+2	600166 50 W Solar Module, 65 Ah Battery, full flux 8 h + reduced flux 4 h	600169 80 W Solar Module, 100 Ah Battery, full flux 8 h + reduced flux 4 h	600175 100 W Solar Module, 120 Ah Battery, full flux 8 h + reduced flux 4 h	600178 120 W Solar Module, 150 Ah Battery, full flux 8 h + reduced flux 4 h
Equatorial Africa, South-East Africa Coastal Line, Southern Brazil Coastal Line, Southern Europe, Middle East (Northern Part), Southern Argentina				
IG3	600167 55 W Solar Module, 65 Ah Battery, full flux 8 h + reduced flux 4 h	600169 80 W Solar Module, 100 Ah Battery, full flux 8 h + reduced flux 4 h	600176 120 W Solar Module, 120 Ah Battery, full flux 8 h + reduced flux 4 h	600179 150 W Solar Module, 150 Ah Battery, full flux 8 h + reduced flux 4 h
Parts of Southern and Middle Europe, Patagonia				
IG4	600168 80 W Solar Module, 80 Ah Battery, full flux 8 h + reduced flux 5 h	600171 120 W Solar Module, 120 Ah Battery, full flux 8 h + reduced flux 5 h	600177 2 x 80 W Solar Module, 150 Ah Battery, full flux 8 h + reduced flux 5 h	

MORE KITS ON REQUEST

Find your irradiation group on the map on the back cover page

Global horizontal irradiation:

The system components depend on the solar irradiation of the specific location. Find out your irradiation group and choose the adapted kit.



Phaesun France SAS
 145, rue de la Marbrerie
 Boîte aux lettres n°4
 34740 Vendargues
 France
 Telephone +33 (0) 4 67 41 09 79
 Fax +33 (0) 4 67 41 09 79
 info@phaesun.fr

Phaesun GmbH
 Brühlweg 9
 87700 Memmingen
 Germany
 Phone +49 (8331) 990 42 0
 Fax +49 (8331) 990 42 12
 info@phaesun.com

www.phaesun.com

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