

Certificate

Registration No.: PV 60028055

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Report No.: 21213068-3

License Holder:
Exel Group S.A.
 18th Klm Thessaloniki – Ag. Athanas
 57008 Thessaloniki
 Greece

Product:
 PV Module

Type:
 ESP series 60, Poly
 ESP series 60, Poly black
 ESP series 60, Poly Premium
 ESP series 60, Poly Premium black
 (with power range 200 - 245 W in steps of 5W)

ESP series 42, Poly
 ESP series 42, Poly black
 ESP series 42, Poly Premium
 ESP series 42, Poly Premium black
 (with power range 140 - 170 W in steps of 5W)

Manufacturing Plant:
 Exel Group S.A.
 Industrial Area of Stavrochori
 OT 20, Road 12
 61100 Kilkis
 Greece

ESP series 54, Poly
 ESP series 54, Poly black
 ESP series 54, Poly Premium
 ESP series 54, Poly Premium black
 (with power range 180 - 220 W in steps of 5W)

ESP series 40, Poly
 ESP series 40, Poly black
 ESP series 40, Poly Premium
 ESP series 40, Poly Premium black
 (with power range 135 - 165 W in steps of 5W)

ESP series 48, Poly
 ESP series 48, Poly black
 ESP series 48, Poly Premium
 ESP series 48, Poly Premium black
 (with power range 160 - 195 W in steps of 5W)

ESP series 36, Poly
 ESP series 36, Poly black
 ESP series 36, Poly Premium
 ESP series 36, Poly Premium black
 (with power range 120 - 150 W in steps of 5W)

Basis:

IEC 61215:2005
EN 61215:2005
 "Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval"

Factory Inspection
 To document the consistent quality of the product factory inspections are performed periodically.



- Qualified, IEC 61215
- Heavy Snow Load tested
- Periodic Inspection

Remarks:

The details of the factory inspection are documented in report no. 21212906.
 The mechanical load test of EN IEC 61215:2005 was performed with a load of 5400.

Conditions:

The product test is voluntarily according to technical regulations. Any change of the design, materials, components or processing may require the repetition of some of the qualification tests in order to retain type approval.

The certificate is valid until 11 December 2014.



Cologne, 1 October 2010

Dipl.-Ing. M. Adrian

Certificate

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Report No.: 21213068-3

License Holder:
Exel Group S.A.
 18th Klm Thessaloniki – Ag. Athanas
 57008 Thessaloniki
 Greece

Product:
 PV Module

Type:

ESP series 60, Mono
 ESP series 60, Mono black
 ESP series 60, Mono Premium
 ESP series 60, Mono Premium black
 (with power range 215 - 265 W in steps of 5W)

ESP series 42, Mono
 ESP series 42, Mono black
 ESP series 42, Mono Premium
 ESP series 42, Mono Premium black
 (with power range 150 - 185 W in steps of 5W)

ESP series 54, Mono
 ESP series 54, Mono black
 ESP series 54, Mono Premium
 ESP series 54, Mono Premium black
 (with power range 195 - 240 W in steps of 5W)

ESP series 40, Mono
 ESP series 40, Mono black
 ESP series 40, Mono Premium
 ESP series 40, Mono Premium black
 (with power range 145 - 175 W in steps of 5W)

ESP series 48, Mono
 ESP series 48, Mono black
 ESP series 48, Mono Premium
 ESP series 48, Mono Premium black
 (with power range 175 - 210 W in steps of 5W)

ESP series 36, Mono
 ESP series 36, Mono black
 ESP series 36, Mono Premium
 ESP series 36, Mono Premium black
 (with power range 130 - 160 W in steps of 5W)

Manufacturing Plant:
 Exel Group S.A.
 Industrial Area of Stavrochori
 OT 20, Road 12
 61100 Kilkis
 Greece

Basis:

IEC 61215:2005
EN 61215:2005
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