



**TECHNOLOGY ROADMAP SOLAR MODULES**



Information to SolSol | September 20<sup>th</sup>, 2023

## Product Name Coding Solar Solutions

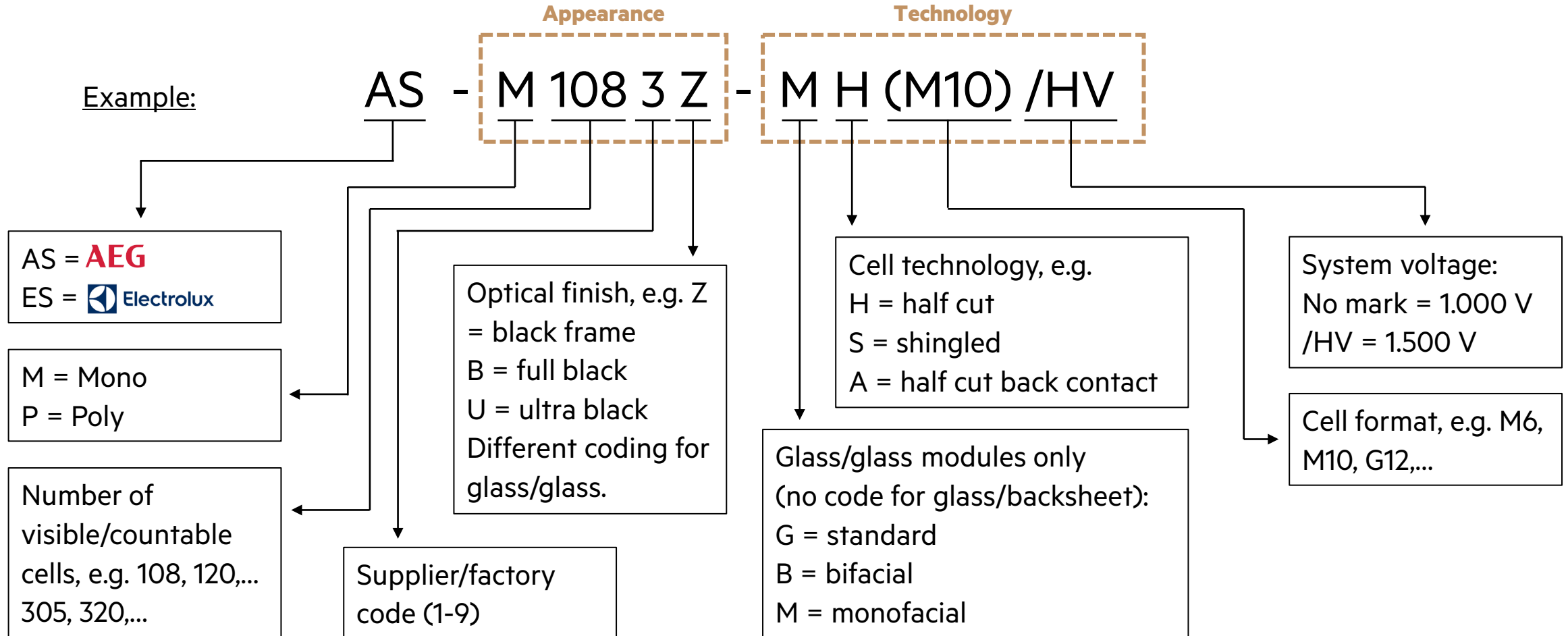
Example:

AS - M 108 3 Z - M H (M10) /HV

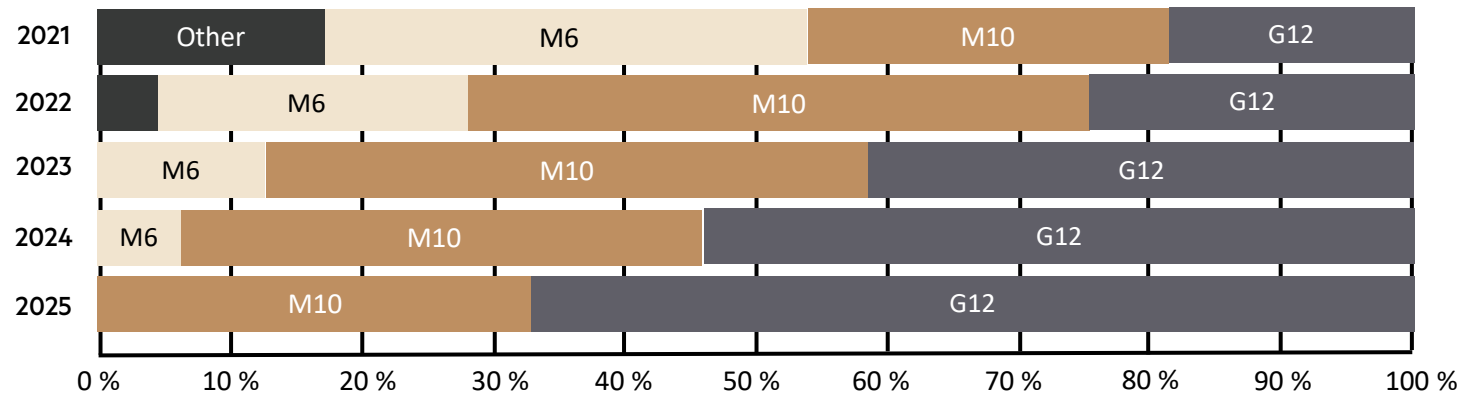
Appearance

Technology

## Product Name Coding Solar Solutions



## Evolution of Solar Cell Formats



# SOLAR MODULES

**B** = back contact (ABC)

**N** = n-type TopCon

**G** = glass/glass



## SHINGLED MODULES (G12 Cell Format)

AS-M3057-S(G12)

AS-M3207-S(G12)

AS-M3457-S(G12)

## HALF CUT MODULES (M10 Cell Format)

**N** AS-M1082/3/7/8-H(M10)

**B N** AS-M1089-A(M10)

**N** AS-M1203/8-H(M10)

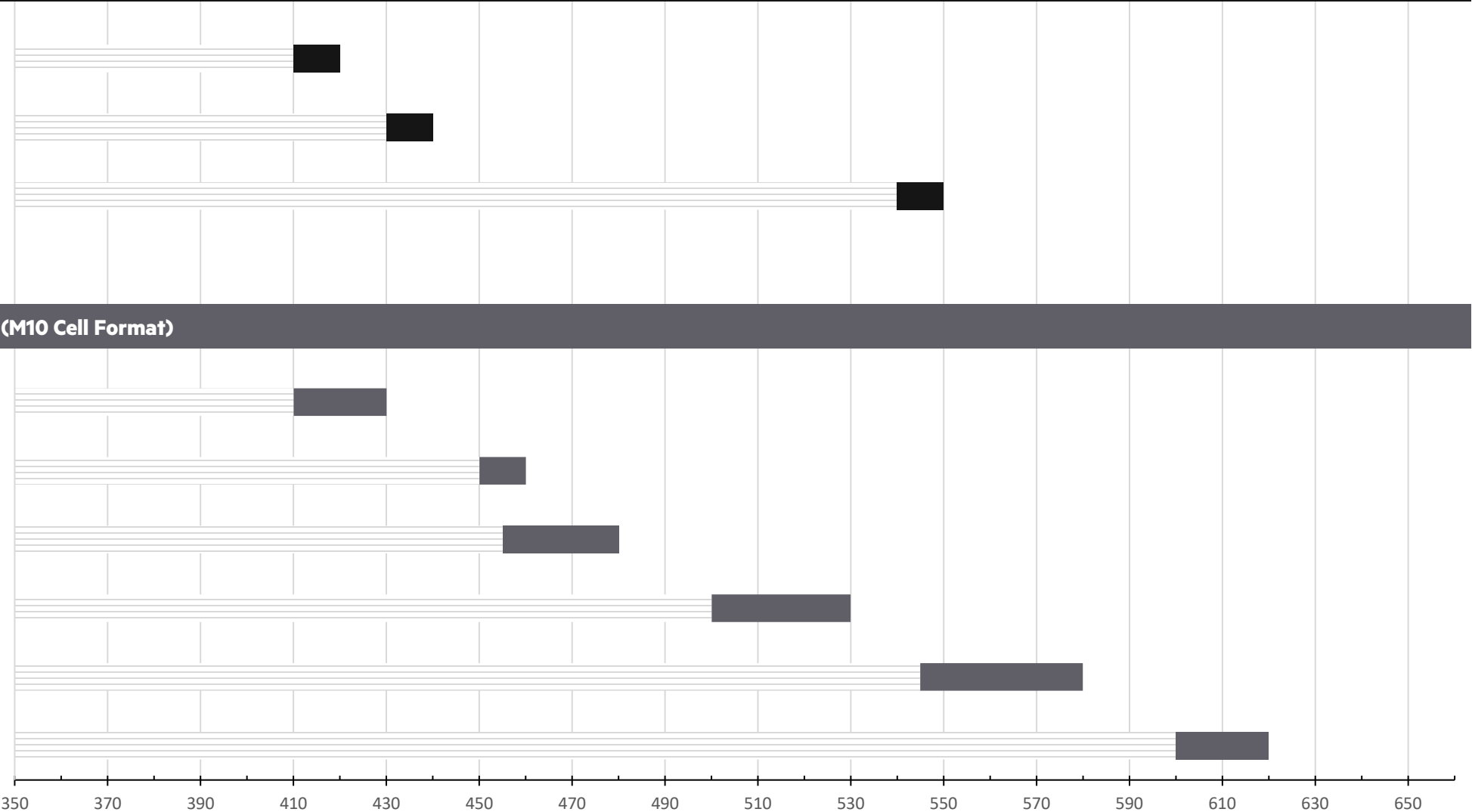
**N** AS-M1323/8-H(M10)

**G N** AS-M1443-M/BH(M10)

**B N** AS-M1449-A(M10)

350 370 390 410 430 450 470 490 510 530 550 570 590 610 630 650

Solar Module Power Range [kWp]



## Overview Solar Modules

2 Categories of solar module technology:

**SHINGLED CELLS TECHNOLOGY**

**HALF CUT CELLS TECHNOLOGY**

GLASS/BACKSHEET N-TYPE

GLASS/GLASS N-TYPE

GLASS/BACKSHEET N-TYPE BACK CONTACT

## Overview Solar Modules

## SHINGLED CELLS TECHNOLOGY

### AS/ES-M3057-S(G12)

305 shingle cells module, G12 cell format

Current power: 420 Wp

Dimensions: 1812 mm × 1096 mm × 30 mm (<2m<sup>2</sup>)

black frame (415 Wp)

ultra black (410 Wp)

### AS/ES-M3207-S(G12)

320 shingle cells module, G12 cell format

Current power: 440 Wp

Dimensions: 1899 mm × 1096 mm × 30 mm

black frame (440 Wp)

ultra black (430 Wp)

### AS/ES-M3457-S(G12)

345 shingle cells module, G12 cell format

Power: 545 Wp

Dimensions: 2384 mm × 1096 mm × 35 mm

black frame (545 Wp)

full/ultra black (--- Wp)

Please note: The new generation shingled n-type modules will be available in November 2023.

## Overview Solar Modules

### HALF CUT CELLS TECHNOLOGY

### N-TYPE MODULES

#### **N** AS/ES-M1083/7/8-H(M10)

108 half cut cells module, n-type

Current power: 435 Wp

Dimensions: 1722 mm × 1134 mm × 30 mm

black frame (435 Wp)

full black (420 Wp)

#### **N** AS/ES-M1203/8-H(M10)

120 half cut cells module, n-type

Power: 475/480 Wp

Dimensions: 1903 mm × 1134 mm × 30/35 mm

black frame (475/480 Wp)

full/ultra black (--- Wp)

#### **N** AS/ES-M1323/8-H(M10)

132 half cut cells module, n-type

Power: 530 Wp

Dimensions: 2094 mm × 1134 mm × 35 mm

black frame (530 Wp)

full/ultra black (--- Wp)



## Overview Solar Modules

## HALF CUT CELLS TECHNOLOGY

## GLASS/GLASS N-TYPE MODULES

### **G** **N** AS/ES-M1083-MH(M10)

108 half cut cells module, n-type, monofacial glass/glass

Current power: 430 Wp

Dimensions: 1722 mm × 1134 mm × 30 mm

black frame (430 Wp)

full/ultra black (--- Wp)

### **G** **N** AS/ES-M1088-BH(M10)

108 half cut cells module, n-type, bifacial g/g, full black

Power: 420 Wp

Dimensions: 1722 mm × 1134 mm × 30 mm

black frame (--- Wp)

full black (420 Wp)

### **G** **N** AS/ES-M1203-MH(M10)

120 half cut cells module, n-type, monofacial glass/glass

Power: 475 Wp

Dimensions: 1903 mm × 1134 mm × 30/35 mm

black frame (475 Wp)

full/ultra black (--- Wp)

### **G** **N** AS/ES-M1443W-BH(M10)

144 half cut cells module, n-type, bifacial glass/glass

Power: 580 Wp

Dimensions: 2278 mm × 1134 mm × 30/35 mm

black frame (580 Wp)

full/ultra black (--- Wp)

## Overview Solar Modules

## HALF CUT CELLS TECHNOLOGY

## BACK CONTACT N-TYPE

### **B** **N** AS-M1089-A(M10)

108 half cut cells module, n-type, back contact

Power: 465 Wp

Dimensions: 1722 mm × 1134 mm × 30 mm

black frame (465 Wp)

ultra black (460 Wp)

### **G** **B** **N** AS-M1089B-A(M10)

108 half cut cells module, n-type, glass/glass, back contact

Power: 455 Wp

Dimensions: 1722 mm × 1134 mm × 30 mm

black frame (455 Wp)

ultra black (455 Wp)

### **B** **N** AS-M1449-A(M10)

120 half cut cells module, n-type, back contact

Power: 620 Wp

Dimensions: 2278 mm × 1134 mm × 35 mm

black frame (620 Wp)

full/ultra black (--- Wp)



**Thank you very much for your attention!**

**AEG**

 **Electrolux**