

Qualifications and Certificates

Manufacturing in accordance

IEC EN
61215

IEC EN
61730-1

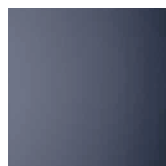
IEC EN
61730-2

Color Stability

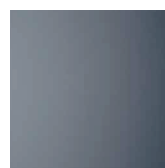
EN
1096-3



Dark Grey
GT-380



Grey
GT-350



Light Grey
GT-410



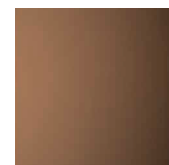
Blue
GT-215



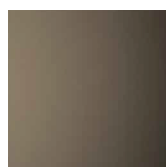
Bluish-Green
GT-800



Gold
GT-100



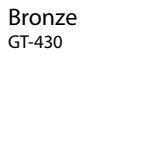
Orange
GT-550



Brass
GT-470



Green
GT-860



Bronze
GT-430

Warranty

10
year

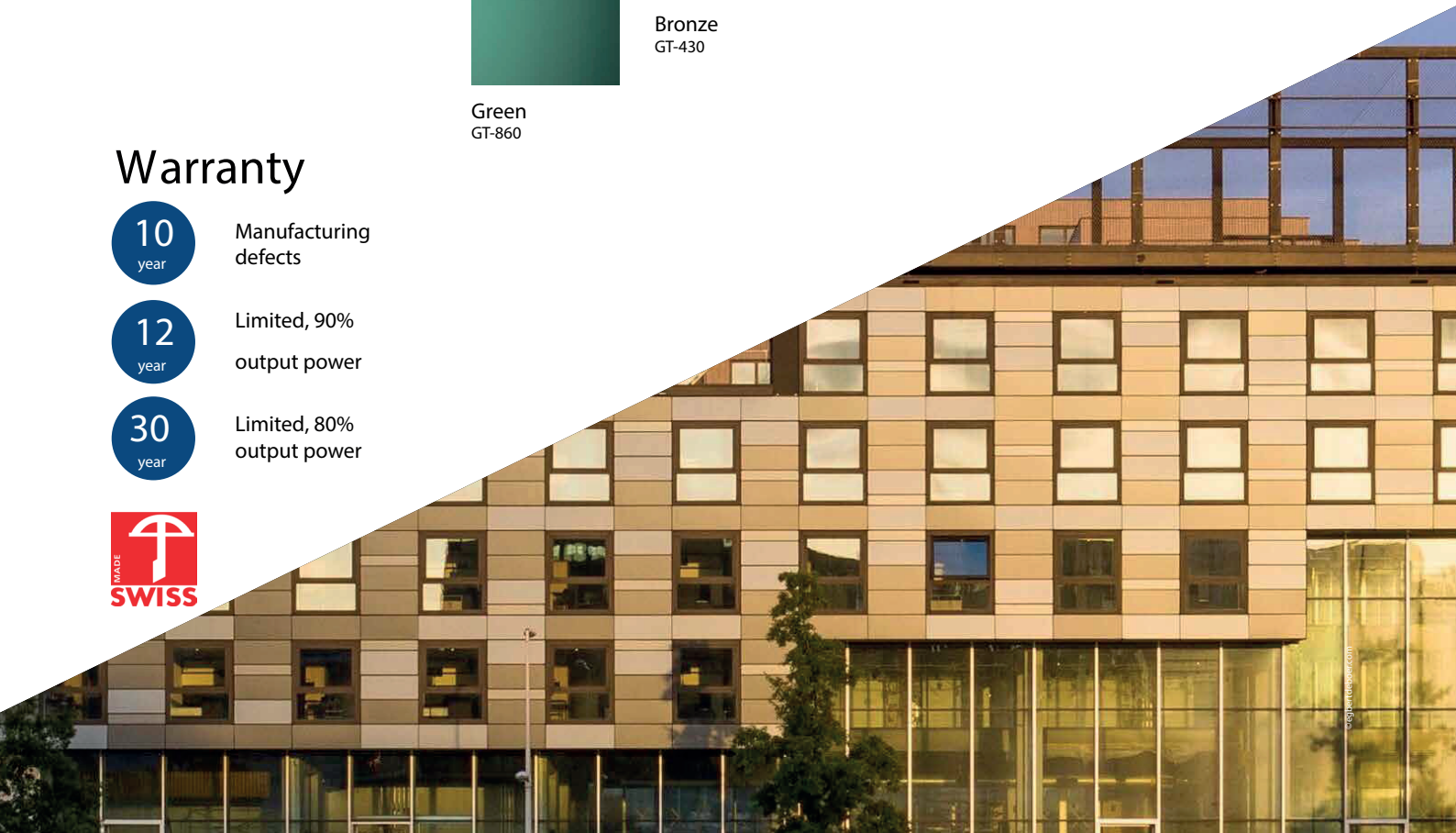
Manufacturing
defects

12
year

Limited, 90%
output power

30
year

Limited, 80%
output power



Electrical parameters at Standard Test Conditions (STC)

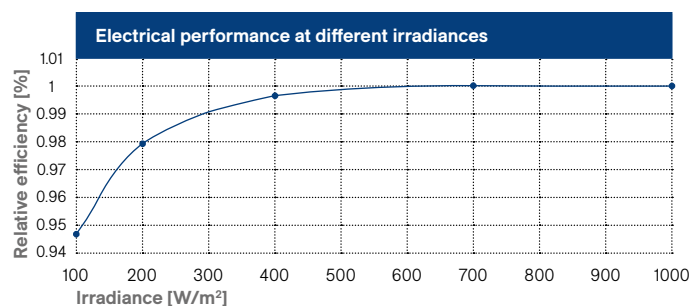
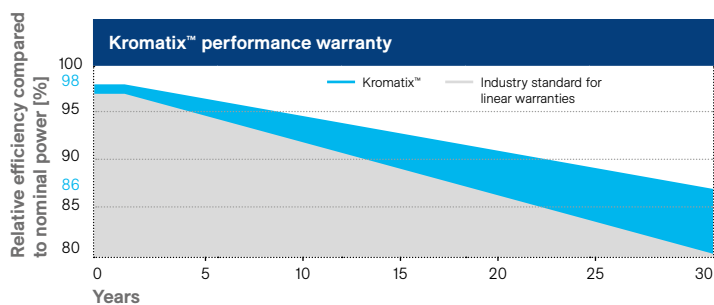
Model		Dark Grey GT-380	Grey GT-350	Light Grey GT-410	Blue GT-215	Bluish-Green GT-800	Green GT-860	Bronze GT-430	Brass GT-470	Gold GT-100	Orange GT-550
Peak power P_{MPP}	[W]	280	264	265	260	271	272	271	261	255	259
Rated voltage U_{MPP}	[V]	33.7									
Rated current I_{MPP}	[A]	8.3	7.9	7.9	7.7	8.0	8.1	8.1	7.7	7.6	7.6
Open circuit voltage U_{OC}	[V]	40.7									
Short circuit current I_{SC}	[A]	8.7	8.2	8.2	8.1	8.4	8.4	8.4	8.1	7.9	8.0
Module efficiency	[%]	17.0%	16.0%	16.1%	15.8%	16.4%	16.5%	16.5%	15.8%	15.5%	15.7%
Peak power tolerance	[%]	±5									

STC: 1000W/m² irradiance, 25°C cell temperature, AM1.5 g spectrum according to EN 60904-3. Measurement tolerance Pmax ±5%, Voc and Isc ±5%

Properties for system design			
Temperature range	[°C]	-40 to +105	
Max. system voltage	[V]	1000	
Max. series fuse rating	[A]	15	
Limiting reverse current	[A]	15	
PV module classification		Class II	

Thermal Characteristics			
Temperature coefficient of Isc		[%/K]	+0,04
Temperature coefficient of Voc		[%/K]	-0.27
Temperature coefficient of Pmax		[%/K]	-0.36
Nominal Module Operating Temperature	NMOT	[°C]	43 ± 3

Mechanical data		
Dimensions (W x H x D)	[mm]	1000 x 1660 x 30
Weight	[kg]	19
Solar cells		60 cells, monocrystalline SI, 159 x 159 mm
Cells encapsulation		Ethyle Vinyl Acetate (EVA)
Front		Tempered solar glass Kromatix™
Back		Back sheet
Junction box		IP 67 with 3 bypass diode / central
Cable		Solar cable 4mm ² , length > 1000mm
Cable connectors		Staeubli MC4
Frame		Anodized aluminum



PV module plan

