

# Q.PEAK DUO BLK ML-G10+ SERIES

385-410 Wp | 132 Cells  
20.9% Maximum Module Efficiency

MODEL Q.PEAK DUO BLK ML-G10+



**Breaking the 20% efficiency barrier**  
Q.ANTIUM DUO Z Technology with zero gap cell layout boosts module efficiency up to 20.9%.



**A reliable investment**  
Inclusive 25-year product warranty and 25-year linear performance warranty.\*



**Enduring high performance**  
Long-term yield security with Anti-LEID Technology, Anti-PID Technology, and Hot-Spot Protect.



**Extreme weather rating**  
High-tensile aluminum alloy frame, certified for high snow (5400 Pa) and wind loads (140 mph).



**Innovative all-weather technology**  
Optimal yields, whatever the weather with excellent low-light and temperature behavior.



**The most thorough testing programme in the industry**  
Ocells is the first solar module manufacturer to pass the most comprehensive quality programme in the industry. The independent PV of the independent certification institute TÜV Rheinland.



6 busbar cell technology

12 busbar cell technology

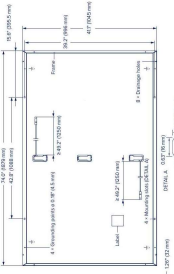
The ideal solution for:



## Q.PEAK DUO BLK ML-G10+ SERIES

### Mechanical Specification

Format	74.0 in × 41 in × 1.26 in (including frame) (1879 mm × 1045 mm × 32 mm)
Weight	48.5 lbs (22.0 kg)
Front Cover	0.3 in (8.2 mm) thermally pre-stressed glass
Back Cover	Composite film
Frame	Black anodized aluminum
Cells	6 × 22 monocrystalline Q.ANTIUM solar half cells
Junction box	2.09 × 3.98 in × 1.26 × 2.36 in × 0.59 × 0.7 in (53.10 mm × 32.60 mm × 15.18 mm), IP67, with bypass diodes
Cable	4 mm <sup>2</sup> Solar cable, (L) ≥ 49.2 in (1250 mm)
Connector	Staibil MC4 (IP68)



### Electrical Characteristics

POWER CLASS	385	390	395	400	405	410
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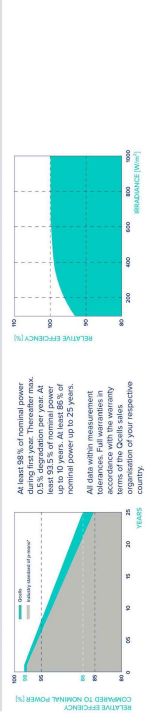
MINIMUM PERFORMANCE AT STANDARD TEST CONDITIONS, STC (POWER TOLERANCE ±5W/-0W)

Power at MPP <sup>1</sup>	385	390	395	400	405	410
Short Circuit Current <sup>1</sup>	11.04	11.07	11.10	11.14	11.17	11.20
Open Circuit Voltage <sup>1</sup>	45.23	45.30	45.37	45.44	45.51	45.57
Current at MPP	10.59	10.65	10.71	10.77	10.83	10.89
Voltage at MPP	36.36	36.62	36.88	37.13	37.39	37.64
Efficiency <sup>2</sup>	≥19.6	≥19.9	≥20.1	≥20.4	≥20.6	≥20.9

### MINIMUM PERFORMANCE AT NORMAL OPERATING CONDITIONS, NMOT

Power at MPP	288.8	292.6	296.3	300.1	303.8	307.6
Short Circuit Current	8.90	8.92	8.95	8.97	9.00	9.03
Open Circuit Voltage	42.62	42.65	42.69	42.72	42.76	42.79
Current at MPP	8.35	8.41	8.46	8.51	8.57	8.62
Voltage at MPP	34.59	34.81	35.03	35.25	35.46	35.68

### Ocells PERFORMANCE WARRANTY



MINIMUM PERFORMANCE AT STANDARD TEST CONDITIONS, STC (POWER TOLERANCE ±5W/-0W)

TEMPERATURE COEFFICIENTS	α	β	γ	δ	ε
Temperature Coefficient of I <sub>sc</sub>	+0.04	-0.04	-0.34	-0.27	-0.27
Temperature Coefficient of V <sub>oc</sub>	-0.34	-0.34	-0.34	-0.34	-0.34
Temperature Coefficient of P <sub>max</sub>	-0.34	-0.34	-0.34	-0.34	-0.34

Properties for System Design

Maximum System Voltage	V <sub>max</sub>	[V]	1000 (IEC)/1000 (UL)	PV module classification
Maximum Series Fuse Rating		[A, DC]	20	TYPE 2
Max. Design Load, Push/Pull		[lbs/ft <sup>2</sup> ]	75 (5600 Pa)/55 (2600 Pa)	Fire Rating based on ANSI/UL 6730
Max. Test Load, Push/Pull		[lbs/ft <sup>2</sup> ]	113 (8400 Pa)/84 (4000 Pa)	Permitted Module Temperature on Continuous Duty

**Qualifications and Certifications**  
UL 6730, CE compliant, TÜV Rheinland, IEC 61215, IEC 61216, IEC 61853, IEC 61854, IEC 61855, IEC 61856, IEC 61857, IEC 61858, IEC 61859, IEC 61860, IEC 61861, IEC 61862, IEC 61863, IEC 61864, IEC 61865, IEC 61866, IEC 61867, IEC 61868, IEC 61869, IEC 61870, IEC 61871, IEC 61872, IEC 61873, IEC 61874, IEC 61875, IEC 61876, IEC 61877, IEC 61878, IEC 61879, IEC 61880, IEC 61881, IEC 61882, IEC 61883, IEC 61884, IEC 61885, IEC 61886, IEC 61887, IEC 61888, IEC 61889, IEC 61890, IEC 61891, IEC 61892, IEC 61893, IEC 61894, IEC 61895, IEC 61896, IEC 61897, IEC 61898, IEC 61899, IEC 61900, IEC 61901, IEC 61902, IEC 61903, IEC 61904, IEC 61905, IEC 61906, IEC 61907, IEC 61908, IEC 61909, IEC 61910, IEC 61911, IEC 61912, IEC 61913, IEC 61914, IEC 61915, IEC 61916, IEC 61917, IEC 61918, IEC 61919, IEC 61920, IEC 61921, IEC 61922, IEC 61923, IEC 61924, IEC 61925, IEC 61926, IEC 61927, IEC 61928, IEC 61929, IEC 61930, IEC 61931, IEC 61932, IEC 61933, IEC 61934, IEC 61935, IEC 61936, IEC 61937, IEC 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