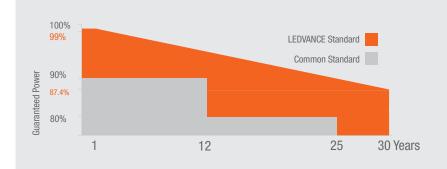


M585~605P60UB-SF-F7

210 Half-Cut Cells Mono PERC Bifacial Module Silver Frame





Product guarantee



Linear Power guarantee





Maximum efficiency



Yearly degradation



Excellent Cell Efficiency

Super multi Bus Bar technology increases the efficiency of the modules



Resistance to power degradation

Resistance to power degradation caused by Potential-Induced Degradation PID effect, thanks to strict quality control in the module production process and other subassemblies



Better Weak Illumination Response

Excellent performance in weak light conditions, such as haze, clouds and early morning



Adapted to harsh outdoor environments

Resistant to harsh environments such as salt, ammonia, sand, high temperatures and high humidity environments



Highest production standards

Guarantees of operational reliability and quality module production go far beyond requirements specified in certificates

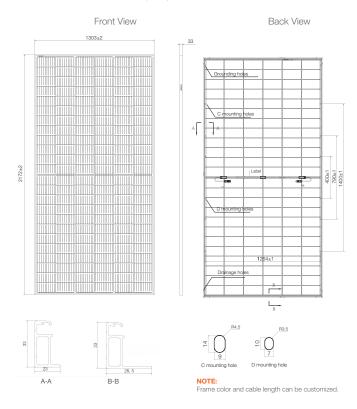




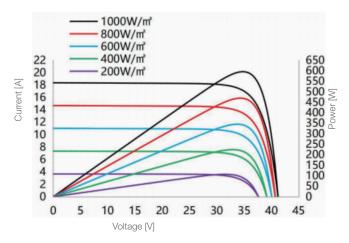
IEC 61215: Design suitability and type approval IEC 61730: Safety qualification IEC 61701: Salt mist corrosion testing IEC 62716: Ammonia corrosion testing IEC 62716: Ammonia corrosion testing IEC 60068: Environmental testing: Dust and sand

With subsidiaries in more than 50 countries and business activities in over 150 countries, LEDVANCE is committed to supplying reliable and durable PV products to customers to create together a greener planet.

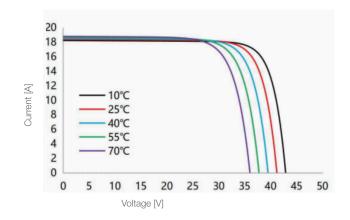
Dimensions of PV module (mm)



Current-voltage curve of the module by different insolation



Current-voltage curve of the PV module by temperature



ELECTRICAL CHARACTERISTIC STC ¹⁾					
Module	M585P60 UB-SF	M590P60 UB-SF	M595P60 UB-SF	M600P60 UB-SF	M605P60 UB-SF
Nominal power Watt P _{max} (Wp)	585	590	595	600	605
Maximum power voltage V _{mpp} (V)	34.20	34.40	34.60	34.80	35.00
Maximum power current I _{mpp} (A)	17.11	17.16	17.21	17.26	17.31
Open circut voltage V _{oc} (V)	40.80	41.00	41.20	41.40	41.60
Short circut current I _{sc} (A)	18.27	18.32	18.37	18.42	18.47
Module efficiency η(%)	20.67	20.85	21.02	21.20	21.38
Measuring tolerance: +3%					

Rifacial	Output-	-Rearside	Power	Gain	(EOEW)
BIIACIAI	UUIDUI-	-rearside	Power	Ullibri	(595W

Power Gain	5%	10%	15%	20%	25%
Maximum Power (Pmax)[W]	625	655	684	714	744
Open-Circuit Voltage (Voc)[V]	41.10	41.10	41.10	41.10	41.10
Maximum Power Voltage (Vmp)[V]	34.70	34.70	34.70	34.70	34.70
Short-Circuit Current (Isc)[A]	19.34	20.26	21.18	22.10	23.02
Maximum Power Current (Imp) [A]	18.02	18.88	19.74	20.60	21.46

ELECTRICAL CHARACTERISTIC NMOT 2)					
Power Level	585	590	595	600	605
Maximum power P _{max} (Wp)	439	442	446	450	454
Maximum power voltage V _{mpp} (V)	32.10	32.30	32.50	32.70	32.90
Maximum power current I _{mpp} (A)	13.68	13.71	13.74	13.77	13.81
Open circuit voltage V _{oc} (V)	38.60	38.80	39.00	39.20	39.40
Short circuit current I _{sc} (A)	14.73	14.76	14.78	14.81	14.85

WORKING CONDITIONS	
Maximum system voltage	1500 V DC
Operating temperature	-40°C~+85°C
Operating humidity	5~85%
Maximum series fuse	30 A
Front/Rear load	5400 Pa / 2400 Pa

MECHANICAL DATA	
Solar cells	Mono PERC
Number of cells	120 (6x20) pcs
Size of cells	182 x 91 mm
Module dimension	2172 x 1303 x 33 mm
Frame color	SF – Silver black
Weight	34.5±1 kg
Glass	2.0 mm tempered glass, anti-reflective coating
Type of frame	Anodized aluminum alloy
Junction box	IP68, 3 diodes
Cables	4 mm ² , Portrait: 300 mm or Customized Length
Connectors	MC4-Evo2 or MC4 Compatible

TEMPERATURE RATINGS	
NMOT	45±2 °C
Temperature coefficient of P _{max}	-0.30% / °C
Temperature coefficient of V _∞	-0.25% / °C
Temperature coefficient of I _{sc}	0.046% / °C

PACKAGING CONFIGURATION	l e e e e e e e e e e e e e e e e e e e
Piece / Box	33
Size of packing	2188 x 1130 x 1440 mm
Weight of packing	1206.5 kg
Piece / Container (40'HC)	594

FOUNCIES:

1) STC (Standard Test Conditions): 1000W/m² solar irradiance, cell temperature 25°C, AM 1.5G

2) NMOT (nominal cell operating temperature): insolation 800W/m², ambient temperature 20°C, AM 1.5G, wind speed 1m/s

CAUTION:

- CAUTION:

 Do not connect two or more strings of modules to one fuse.

 The electrical data in this product sheet does not refer to a single module and is not part of the offer, it is used to compare different types of modules only.

 Due to continuous technical innovation, development and product improvement, technical data contained in this product sheet is subject to change at any time without notice and may not be the bacin for the undergoon address. be the basis for any damage claims.