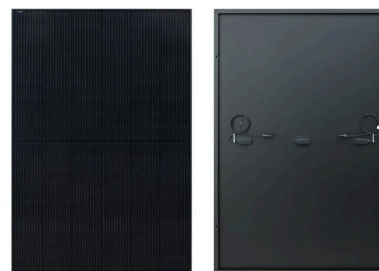


SOLAR PANELS

LS-PV H410

Solar panel · 410 W


410 W

PEAK POWER

21 %

MODULE EFFICIENCY

20.5 kg

WEIGHT

IP68

PROTECTION CLASS

Parameter	Unit	LS-PV H410
Solar panel		
Peak power (Pmax)	W	410
Open-circuit voltage (Voc)	V	37.35
Short-circuit current (Isc)	A	13.92
Voltage at max. power (Vmp)	V	31.45
Current at max. power (Imp)	A	13.04
Module efficiency	%	21
Positive power tolerance	%	0 – 3
Max. system voltage	V	1500
Max. series fuse rating	A	25
Standard test conditions (STC)		1000 W/m ² , 25 °C, AM1.5
Temperature coefficient of Pmax	%/°C	-0.350
Temperature coefficient of Voc	%/°C	-0.270
Temperature coefficient of Isc	%/°C	+0.048
Nominal operating cell temperature (NOCT)	°C	45 ± 2
NOCT: Peak power (Pmax)	W	310
NOCT: Open-circuit voltage (Voc)	V	35.10
NOCT: Short-circuit current (Isc)	A	11.07
NOCT: Voltage at max. power (Vmp)	V	29.70
NOCT: Current at max. power (Imp)	A	10.43
Solar cell type		Monocrystalline silicon, half-cut, multi-busbar (MBB)
Number of cells		108 (6 x 9 x 2)
Cell size	mm	182
Number of diodes		3

Parameter	Unit	LS-PV H410
Appearance		All black
Cable cross-section	mm ²	4
Cable length	m	0.3
Cable length options		Customizable
General data		
Dimensions (W x H x D)	mm	1134 × 1722 × 30
Weight	kg	20.5
Ingress protection (IP rating)		IP68
Operating temperature range	°C	−40 – 85
Warranty	years	12
Linear power warranty	years	25
Front cover		Low-iron tempered glass, 3.2 mm
Backsheet		TPT, black
Frame		Anodized aluminum alloy, black; hollow-chamber frame on each side
Load capacity, cover glass (snow, IEC 61215)	Pa	5400
Load capacity, front and back (wind, IEC 61215)	Pa	2400
Units per pallet	pcs	36
Weight per pallet	kg	763
Pallet dimensions	mm	1750 × 1120 × 1260
Units per 40HQ container (30 mm module thickness)	pcs	936
Protection		
Application class		Class A
Electrical protection class		Class II
Fire safety class		Class C
Certifications		
Certifications and standards		IEC; CE; INMETRO; MCS; CEC; ISO 9001; ISO 14001; ISO 45001

Specifications are subject to change without notice. Values are typical at 25 °C unless stated.

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