

QSUN-144M10 525-545W



Specification

Model Type	QN-525M10	QN-530M10	QN-535M10	QN-540M10	QN-545M10
Peak Power-Pmax (W)	525	530	535	540	545
Open Circuit Voltage-Voc (V)	49.10	49.25	49.40	49.55	49.70
Short Circuit Current-Isc (A)	13.66	13.73	13.79	13.85	13.91
Maximum Power Voltage-Vmp (V)	41.25	41.40	41.55	41.70	41.85
Maximum Power Current-Imp (A)	12.73	12.81	12.88	12.95	13.03
Module Efficiency - η_m (%)	20.3	20.5	20.7	20.9	21.1
Temperature Coefficient of Isc	+0.055%/°C				
Temperature Coefficient of Voc	-0.289%/°C				
Temperature Coefficient of Pmax	-0.380%/°C				
Standard Testing Condition (STC)	Irradiance: 1000W/m ²		Temperature: 25°C		AM=1.5

Mechanical Characteristics

Cell Size	182×91 mm
No. of Cells	144pcs (6×24)
Dimension	2279×1134×35×30mm
Weight	28KG±3%
Glass	3.2mm High Transmission, Low Iron
Frame	Anodized Aluminum Alloy
Junction Box	IP68Rated
Cable Length	Portrait300mm(+)/400mm(-)
Internal Diodes	3 Bypass Diodes
Max Load	5400Pa
Pachaging	31pcs/pallet
	620pcs/40'HC

Operating Parameters

Maximum System Voltage	1000V/1500V DC
Power Tolerance	0 to +3%
Maximum Series Fuse Rating	25A
Nominal Operating Cell Temperature	45±2°C
Operational Temperature	-45°C-+85°C
Safety Class	Class II

