

36 CELL MODULE

HST36FXXXP

ELECTRICAL CHARACTERISTICS

RATED POWER (Watt)	140	145	150
OPEN CIRCUIT VOLTAGE- V_{oc} (Volt)	22.25	22.50	22.75
MAXIMUM POWER VOLTAGE- V_{mp} (Volt)	17.75	18.00	18.25
SHORT CIRCUIT CURRENT- I_{sc} (Amp)	8.30	8.50	8.65
MAXIMUM POWER CURRENT- I_{mp} (Amp)	7.90	8.06	8.22
MODULE EFFICIENCY (%)	14.11	14.62	15.12
OUTPUT TOLERANCE (%)	±5		
CELLS	36, 156 x 156 (mm)		
CELL LAYOUT	9 x 4		
MAXIMUM SYSTEM VOLTAGE(VDC)	1000		

ELECTRICAL CONNECTION

JUNCTION BOX	IP 65 / IP 67
OUTPUT CABLES	4mm ² , min.900mm length
OUTPUT TERMINAL	MC4 Compatible Connectors
PROTECTION	SCHOTTKY BYPASS DIODES

MECHANICAL CHARACTERISTICS

MODULE DIMENSIONS (mm)	1487 x 667 x 40
WEIGHT (KG, APPROX)	12

ABSOLUTE MAXIMUM RATINGS

OPERATING TEMPERATURE	-40°C to +85°C
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GENERAL

FRAME	ANODISED ALUMINIUM
LOCKING	CORNER KEY TYPE

TEMPERATURE CO-EFFICIENTS

α_{Isc} (%/°C)	β_{Voc} (%/°C)	γ_{Pmp} (%/°C)
+0.05	-0.34	-0.45

NOCT	45±2°C
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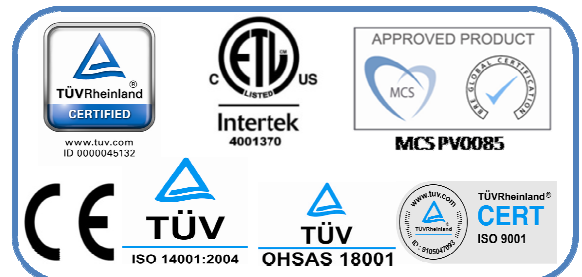
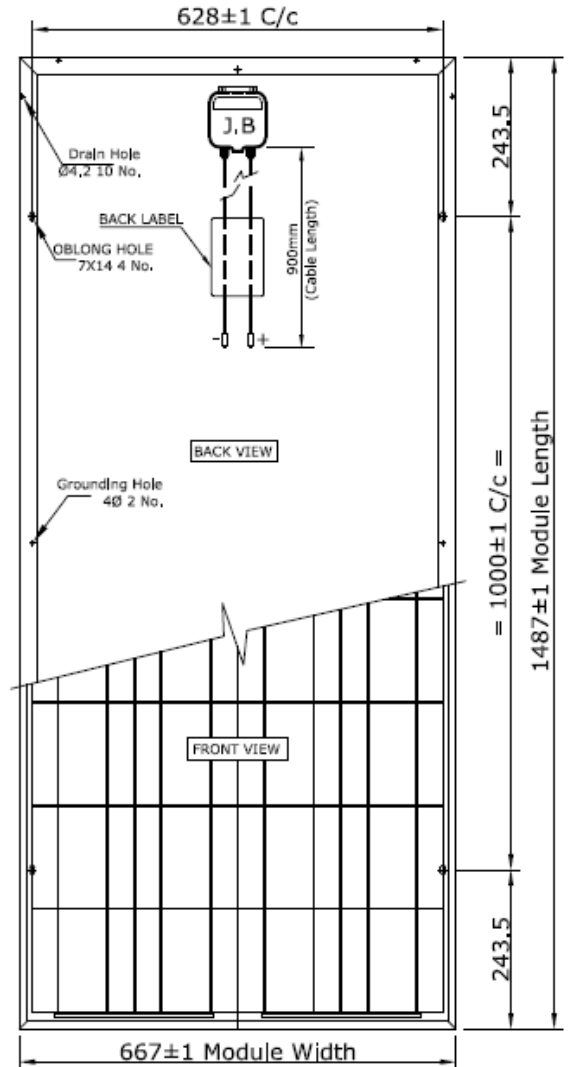
WARRANTY

5 YEARS PRODUCT WARRANTY
0 - 10 YEARS FOR 90% OF RATED POWER
10 - 25 YEARS FOR 80% OF RATED POWER

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Note:

1. Design and Specifications are subject to change without notice.
2. Electrical Parameters measured at STC only (at 25°C, 1000W/M²).
3. Please refer to installation manual and strictly adhere to instruction / guidelines to qualify for warranty terms.