

Arki Poly Crystalline Series, 60 Cell Modules

Electrical Data

All data refers to STC [AM 1.5, 1000 W/m², 25°C]

Peak Power P _{max} (Wp)	255	260	265	270	275	280
Maximum Voltage V _{mpp} (V)	33.18	33.41	33.54	33.61	33.67	33.84
Maximum Current I _{mp} (A)	7.85	7.94	8.02	8.10	8.31	8.39
Open Circuit Voltage V _{oc} (V)	38.64	38.88	39.01	39.15	39.23	39.36
Short Circuit Current I _{sc} (A)	8.61	8.69	8.76	8.83	8.99	9.07
Module Efficiency (%)	16.75	16.83	16.87	17.01	17.06	17.1

1) STC: 1000W/m² irradiance, 25°C cell temperature, AM1.5g spectrum according to EN 60904-3.
Average relative efficiency reduction of 5% at 200W/m² according to EN 60904-1.

Temperature Coefficients (Tc)

permissible operating conditions

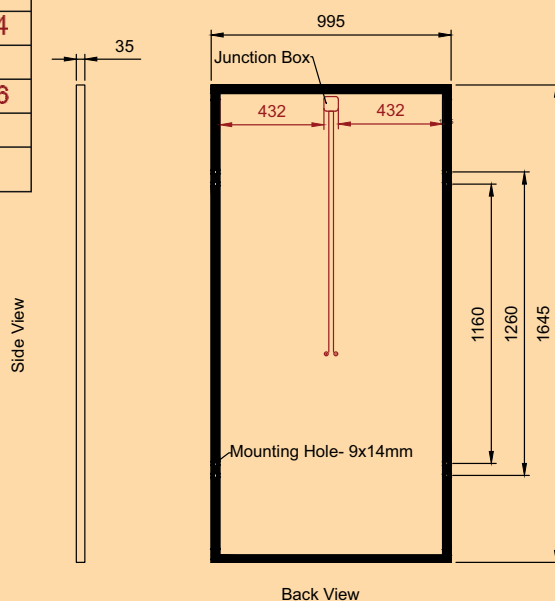
Tc of Open Circuit Voltage (β)	-0.31%/C
Tc of Short Circuit Current (α)	0.0402%/C
Tc of Power (γ)	-0.426%/C
Maximum System Voltage	1500V
NOCT	45C + 2C
Temperature Range	-40C TO +85C

Mechanical Data

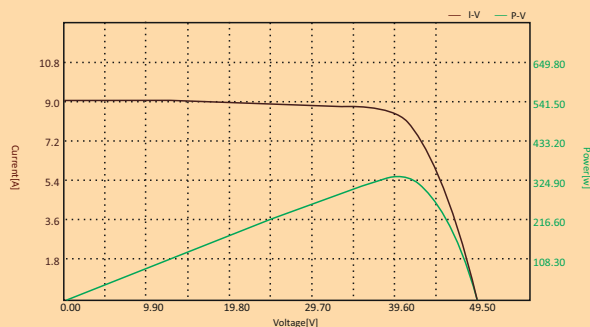
Length X Width X Height	1645 x 999 x 35
Weight	19 Kgs
Junction Box	IP 68, 3By Pass Diodes
Cable & Connectors	1000mm Length Mc4 Connectors
Application Class	Class A (Safety Class II)
Superstrate	3.2mm High Transmission Low Iron Tempered Glass, AR Coated
Cells	60 Cells, 5BB Cells, Poly
Cell Encapsulant	EVA Fast Curing
Back Sheet	Composite Film
Frame	Anodized Al Alloy Type 6063
Mechanical Load Test	5400 PA

Dimensions

in mm



ModuleName: ASPV280ARKI



Warranty and Certifications

Product Warranty** 10 Years
Performance warranty** Linear power warranty for 25 Years
Approvals and Certificates IEC 61215, IEC 61730 Part 1 & 2



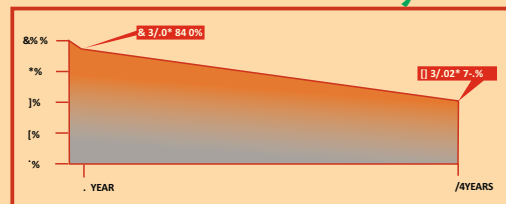
IS 14286:2010
IS 61730
IS 61730 (2)



R-96003573



Performance warranty



Packaging Information

Container	20'GP	40'GP	40'HC
Pallets/Container	10	12	24
Pieces/Container	250	300	600