

# AKAI

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## ENERGY



### PV Module



**10 Year  
Product  
Warranty**



**High  
Efficiency**



**High  
Reliability**



**IP68  
Rated**

**AFTER SALES SUPPORT 1300 886 605**

### PROTECT YOUR WARRANTY

**This unit must be installed by a registered, licensed installer as required by Government regulations.**

# Technical Specifications

1300 886 605  
After Sales Support

Performance										
Model Number	AKE-380B-PV-MHL		AKE-410B-PV-MHO		AKE-450B-PV-MHO		AKE-540B-PV-MHO		AKE-660B-PV-MHG	
Test Conditions	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (W)	380	288	410	310	450	340	540	408	660	499
Short-circuit Current (A)	11.55	9.24	13.70	10.96	13.68	10.94	13.87	11.1	18.26	14.97
Open-circuit Voltage (V)	41.7	39.13	37.34	35.39	41.4	39.2	49.4	46.68	45.98	42.67
Maximum Power Current (A)	11.04	8.83	13.14	10.51	13.01	10.41	13.11	10.49	17.36	14.16
Maximum Power Voltage (V)	34.5	32.61	31.22	29.49	34.6	32.67	41.2	38.9	38.01	35.24
Module Efficiency (%)	20.86		21.00		20.79		20.90		21.25	
Max. Overcurrent Protection Rating (A)	20		25		25		25		30	
Power Tolerance (W)	0~ +5									
Measuring Uncertainty of Pm (%)	0~ ±3									
Maximum System Voltage (V)	1500									
General										
Junction Box	IP68									
Frame	Aluminium Alloy									
Cable	4 mm <sup>2</sup> +300,-300 mm/±1000 mm Length can be customized									
Fire Class Rating	Class C according to UL 790									
Connector	Ningbo Win Solar: Win02									
Operating Temperature (°C)	-40 to +85									
Snow Load (Pa)	5400									
Standards	IEC 61215 & IEC 61730 & ISO9001									
Dimensions (mm)	1755 x 1038 x 35		1724 x 1134 x 35		1909 x 1134 x 35		2279 x 1134 x 35		2384 x 1303 x 35	
Weight (kg)	20.0		20.5		24		29		34	
Temperature Characteristics										
NMOT (°C)	45 ± 2									
Temp Coefficient of VOC (%/ °C)	-0.28									
Temp Coefficient of ISC (%/ °C)	+0.05									
Temp Coefficient of Pmax (%/ °C)	-0.34									

- STC (Standard Test Conditions): 1000 W/m<sup>2</sup> Irradiance, 25 °C Cell Temperature, AM 1.5.
- NMOT (Normal Module Operation Temperature): 800 W/m<sup>2</sup> Irradiance, 20 °C Ambient Temperature, Wind Speed 1 m/s.