

Smart PV Module Optimizer

AMCP Series



Module-level optimization improves system power generation efficiency



Module-level rapid shutdown to avoid DC high voltage risk



Module-level monitoring to monitor the status of each module in real time



Smart operation and maintenance reduces power plant O&M costs



Improve system design flexibility and optimize the usage of building area



Separatable mounting plate design, allowing the cables to be directed to any direction to meet various applications

Model	AMCP500-600T1	AMCP600-750T1
Input Parameters		
Rated Power	600W	750W
Maximum Input Power	650W	900W
MPPT Voltage Range	12-80V	
Maximum Input Current	16A	22A
Overvoltage Level	II	
Output Parameters		
Voltage Range	0-80V	
Maximum Output Current	16A	22A
Maximum voltage in Disconnected State	1V	
Maximum System Voltage	1500V	
Efficiency		
Maximum Efficiency	99.60%	
Weighted Efficiency	99.00%	
Structure Parameters		
Dimensions (W*D*H)	120*33*155mm	
Input/Output Connectors	MC4/Compatible with MC4/Customizable	
Input Cable Length	0.6m/1.2m/Customizable	
Output Cable Length	0.75m/Customizable	
Ingress Protection Rating	IP68	
Environment Parameters		
Temperature Range*	-40°C~+85°C	
Relative Humidity Range	0~100%	
Highest Altitude	4000m	
Other Parameters		
Communication Method	HPLC	
User Interface	WEB+APP	
Certification		
Safety	IEC 62109-1, EN 62109-1, NEC 2017&2020(690.12)	
EMC	IEC/EN 61000-6-1/-2/-3/-4	

* When the operating temperature exceeds 70°C, the device may work in de-rating mode and return to normal operating mode after the operating temperature decreases;

