



APT-MC-R-T2

R series Micro Controller Model R-T2

Rapid Shutdown Device



Module-Level Rapid Shutdown



Patented Hardware Protection Module



International Authoritative Certifications



Remote APP-Based Shutdown Control



Wide Compatibility & Flexible Integration



High-Level Protection & Flame-Retardant Design

Product Model		APT-MC-R-T2
Functions	Module-level Rapid Shutdown	
Number of Modules Connected	2	
Input		
Rated Input Power	800W*2	
Input Voltage Range	10V-80V*2	
Max.Operating Current (Imp)	20A	
Max. Short-circuit Current (Isc)	25A	
Max. Efficiency	>99.5%	
Output		
Max.Output Voltage	160V	
Max.Output Current	20A	
Bypass Output	☑	
Output Shutdown Voltage	<1.5V	
Shutdown Response Time	30s	
Communication		
Communication Mode	PLC	
PLC Maximum Communication Distance (Along the Cable)*	Distance from the V2.5 control box to the farthest micro controllers ≤ 450 m	
Compatible V2.5 Control Box	APT-CB-DS	
Safety Certification		
Safety	UL1741 /UL3741 /CSA C22.2 No.107.1/CSA C22.2 No.330 comply with NEC Code Article 690.12 module-level shutdown characteristics	
EMC	FCC part 15b	
RoHS Certification	☑	
General Parameters		
Dimensions (L x W x D)	143 x62x 19.5mm	
Weight (Including Cables)	0.76KG	
Input and Output Terminals	MC4/Compatible with MC4/Customized	
Length of Cable(mm)	OUT:+1300 -1500; PV1:+950 -200; PV2:+200 -950	
Operating Temperature Range	-40°C to +85°C	
Humidity Range	0%-100%	
Protection Rating	IP68	
Max.System Voltage	1500V	

Note**: Max DC resistance of DC cable <5(Ω/km), Higher resistance may affect communication distance

