









APT-MC-MR-T2

# MR series Micro Controller Model MR-T2

Monitoring & Rapid Shutdown Device

-  Module-Level Real-Time Monitoring & Rapid Shutdown
-  Three-Level Protection System (Patented Hardware Protection Module)
-  Super-HPLC | Unlimited Communication Distance
-  Internationally Recognized Certifications
-  Compatible Mixed Installation with MRO Series
-  Dual High Standards: Protection & Flame Retardancy

Product Model		APT-MC-MR-T2
Functions	Module-level Rapid Shutdown; Module-level Monitoring	
Number of Modules Connected	2	
<b>Input</b>		
Rated Input Power	800W*2	
Input Voltage Range	12V-80V*2	
Max.Operating Current (Imp)	20A	
Max. Short-circuit Current (Isc)	25A	
<b>Output</b>		
Max.Output Voltage	160V	
Max.Output Current	20A	
Bypass Output	☑	
Output Shutdown Voltage	<1.5V	
Shutdown Response Time	30s	
<b>Communication</b>		
Communication Mode	Super-HPLC	
PLC Maximum Communication Distance (Along the Cable)**	Distance from the V2.5 control box to the the nearestst micro controller ≤ 400 m Distance between micro controllers ≤ 50 m	
Communication Rate	200k-1M/s Self-Adaptive	
Compatible V2.5 Control Box	APT-CB-D-4G/WIFI-S/L	
<b>Safety Certification</b>		
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	☑	
<b>General Parameters</b>		
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 <math><5(\Omega/\text{km})</math>, Higher resistance may affect communication distance.

