

DIMON MPPT SERIES

DIMON
TECHNOLOGY

Super-intelligent wind and solar hybrid controller



RoHS **CE**

Model	DM-T2-WSII-04-NNHN-1	DM-T1-WSII-04-NNHN-1
Battery parameters		
Applied battery voltage	24V	12V
Battery protect method	Reverse connection protection (do not burn any components, with voice prompt); over voltage protection, under voltage protection (for street light and such kind of load)	
Voltage at the over voltage protection point	29.0V±0.2V	14.5V± 0.2V
Voltage at the over voltage recovery point	27.5V±0.2V	13.7V± 0.2V
Voltage at the under voltage protection point	21.0V±0.2V	10.5V± 0.2V
Voltage at the under voltage recovery point	23.0V±0.2V	11.5V± 0.2V
Battery temperature compensation	5mv/°C/2V (settable) (optional component)	
Wind turbines input parameters		
Rated power of applied Wind turbines	400W/24V	400W/12V
Rated power of the terminal	17A dc (after rectification)	25A
Max. input current of the terminal	20A dc (after rectification)	35A
The default speed of the Wind turbines generation with limited speed	500 Rpm (settable)	
The default current of the Wind turbines generation with limited current	17A(settable)	25A (settable)
Wind turbines protection method	over rev protection, over current protection, induction lightening protection	
Unloading method	PWM stepless high-frequency soft unloading (built-in)	
MPPT function	Boost MPPT model (automatic tracking or 5 segments curve tracking)	
Input current of MPPT channel	12A	
PV input parameters		
Rated input current of applied PV	550W/24V (standard) 1100W/24V (ptional)	250W/12V (standard) 550W/12V (ptional)
Rated input current of terminal	15A (standard) 30A (optional)	
Charging voltage drop	<0.2V	
PV protection methods	Reverse connection protection (voice prompt)	
Unloading method	Open circuit unloading	
Discharge the output port parameters		
output	2 outputs	
Current of each output	12A	
Output protection methods	Over current protection (15A/30sec. 18A/0.4sec.), short-circuit protection (current > 150A)	
Output control methods	light control, time control, reverse output, PWM output (250HZ, only the 2 nd output has it)	
Others		
Auxiliary function	Monitor of air temperature inside controller, temperature of unloading parts and Wind turbines MPPT components, and also the monitor of control terminals installed on the inversion (with voice prompt)	
Display mode	Liquid crystal (LCD) display	
Communication mode	RS232(5V electrical level)/RS485 (standard) Short-range wireless (optional)	
Displayed parameters	Wind turbines input voltage/current/power/generated energy/rev/unloading current PV input voltage/current/power/generated energy Battery voltage/charging current/power/total charging capacity/battery status information output current/power/abnormal information of the 2nd output port	
Power consumption in standby mode(screen backlight closed)	About 20ma /24V system	
Operating mode	3M foil key operation (4 keys)	
Working temperature / humidity range (environment)	-40~+80℃ /20~85%RH (non condensing)	
Protection grade	IP41	
Controller size (L*W*H)	175mm*148mm *84mm	
Net weight	1.8KG	

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