

MPPT-DM CONTROLLER

MPPT-DM130 / DM140 / DM160



99% Efficient



MPPT Technology Compatible



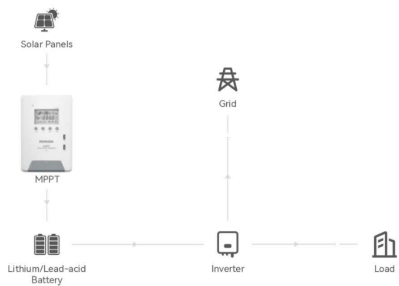
Smart Circuit Protection
Dual USB Output



With A Wide Range Of Batteries



Self-Identification Voltage



Datasheet

Model	DM130	DM140	DM160			
Rated Charging Current (A)	30A	40A	60A			
Rated Discharge Current (A)	10A					
USB Output Current (A)	5V3A Max					
PV Maximum Open Circuit Voltage	80V	100V	150V			
PV Maximum Input Power	400W/12V 800W/24V	550W/12V 1100W/24V	800W/12V 1600W/24V 3200W/48V			
MPPT Tracking Efficiency	≥99%					
Conversion Efficiency	≥98%					
System Voltage (V)	12V24V auto adapt	12V24V auto adapt	12V24V48V auto adapt			
Lithium/LIT1/L1						
System Voltage (V)	12V3 series default	adjustable	24V7series defau	adjustable	48V13series defat	adjustable
Floating Charge Voltage	12.6V	/	29.6V	/	54.6V	/
Discharge Cut-off Voltage	9V	8.5-10.5	21V	19.8-24.5	39	36.8-45.5
Discharge Recovery Voltage	10.5V	10.0-11.5	24.5V	23.5-27	45.5	43-50
LifePo4/LIT2/L2						
System Voltage (V)	12V4 series default	adjustable	24V8series defau	adjustable	24V16series defat	adjustable
Floating Charge Voltage	14.6V	/	29.6V	/	58.4V	/
Discharge Cut-off Voltage	11V	10.5-12.5	22V	21-25	44	42-50
Discharge Recovery Voltage	12.5V	12.0-13.5	25V	24-27	50	48-54
LEAD ACID/BAT/BAT						
System Voltage(V)	12V	adjustable	24V	adjustable	48	adjustable
Floating Charge Voltage	13.8V	13-15	27.6V	26-30	55.2	52-60
Discharge Cut-off Voltage	10.7	9.5-11	21.4V	18-22	42.8	38-44
Discharge Recovery Voltage	12.6	11.5-13	25.2V	23-26	50.4	46-52

** If the ambient temperature is high or too low, performance will be limited.
* Under specific test conditions.