



TM-L2000M/1800M/1600M

96%

High efficiency up to 96% with 4 individual MPPTs

60V

High safety with max DC voltage 60V



Max.DC input current of 13A/14A/15A, adapt to the market mainstream PV modules

IP67

IP 67 protection, die cast design



Integrated smart monitoring & communication system



Easy installation of plug and play

25 YEAR life time design with **10 YEAR** product warranty



2000W/1800W/1600W



Tel: 0574-88188211

E-mail: sales@astro-e.com.cn

Address: No.62, Lanhai Lane, Tiangong Road, Xiaying Street, Yinzhou District, Ningbo, Zhejiang Province, China.



Datasheet

Model	TM-L2000M	TM-L1800M	TM-L1600M
Input Data (DC)			
Recommended PV Module Power	280W-650W	280W-600W	280W-550W
Start-up Voltage	28V		
MPPT Voltage Range	28-55V		
Max. Input Voltage	60V		
Max. Input Current	15A*4	14A*4	13A*4
Max. DC Short Circuit Current	19A*4		
Number of MPPTs	4		
Output Data (AC)			
Rated output power	2000W	1800W	1600W
Nominal Output Voltage	230V		
Extended Output Voltage Range	184-253V		
Nominal Output Current	8.7A	7.8A	7.0A
Maximum Current	9.7A	8.7A	7.7A
Nominal Frequency/Range	50Hz/45 - 55		
Power Factor	>0.99 default		
Total Harmonic Distortion (THD)	<3%		
Max. Units Per Branch	3		
Efficiency			
Peak Efficiency	96.00%		
CEC Efficiency	95.50%		
Static MPPT Efficiency	99.50%		
Night Time Power Consumption	<50mW		
Mechanical Data			
Ambient Temperature Range	-40°C ~ +65°C		
Dimensions(WxHxD)	312mm*301mm*43mm		
Weight	7kg		
Enclosure Rating	IP 67		
Cooling	Natural Convection - No Fans		
Type of Isolation	High Frequency Transformers		
Monitoring & Communication			
Communication	WiFi		
Energy Management	Solarman Online Platform		
Certifications & Warranty			
Overvoltage category	IEC62109-1; IEC62109-2; IEC61000-6; VDE4105; VRF2019; NEN-EN 50549-1:2019; PN-EN 50549-1:2019		
Garantie	10 Years Standard		