



TCL Series Smart Android TV Owner’s Manual

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TCL Series
TCL-MI-800W-P2



Model
TCL800WE-P2

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Input Data (DC)

Commonly Module Power (W)	330 to 550 W +
Operation Voltage Range (V)	14-63 V
MPPT Voltage Range (V)	14-63 V
Start-up Voltage (V)	18 V
Maximum Input Voltage (V)	63 V
DC Portbackfeed Current (A)	2×18 A
Maximum Input Current(A)	2×25 A
Maximum Input Short Circuit Current (A)	0 A
Overvoltage Class DC Port	II
Number of MPPTs	2
Number of Inputs per MPPT	1
Output Data (AC)	
Rated Output Power (VA)	800 VA
Rated Output Current (A)	3.48 A
Maximum Units per 12AWG Branch	9
Maximum Units per 10AWG Branch	5
Nominal Output Voltage (V)	230/240 V
Nominal Frequency (Hz)	50 Hz
Maximum Output Overcurrent Protection (A)	6.5 A
Maximum Output Fault Current (A)	6.5 A
Current Inrush (A)	0
Overvoltage Class AC Port	III
Power Factor (adjustable)	>0.99(default)
Total Harmonic Distortion	<3%
Efficiency	
CEC Peak Efficiency	96.80%
Nominal MPPT Efficiency	99.80%
Nighttime Power Consumption (mW)	< 50 mW
General Data	
Ambient Temperature Range (°C)	-40 to +65 °C
Dimensions (W x H x D mm)	274 x 222 x 37 mm
Weight (kg)	3.2 kg
Enclosure Rating	Outdoor IP67 (NEMA 6)

Relative Humidity	0 100 , No Condensing
Max. Operation Altitude (m)	2000 m
Pollution Degree	III
Cooling	Natural Convection (no fans)
Communication	WIFI
Monitoring	TCL Cloud
Type of Isolation	Galvanically Isolated

Compliance

IEC/EN 62109-1, IEC/EN 62109-2, IEC/EN 61000-6-1/-2/-3/-4, EN50549-1: 2019, VDE-AR-N 4105: 2018, CEI0-21, TOR Erzeuger, R25: 2019, EN 300 220-1/-2 EN300328, EN301489-1/-3/-17, EN62311, C10/11, PN-EN50549-1: 2019, NC-RfG, ORDINANCE 140/2022 IEC/EN 62109-1, IEC/EN 62109-2, IEC/EN 61000-6-1/-2/-3/-4, EN50549-1: 2019, VDE-AR-N 4105: 2018, CEI0-21, TOR Erzeuger, R25: 2019, EN 300 220-1/-2 EN300328, EN301489-1/-3/-17, EN62311, C10/11, PN-EN50549-1: 2019, NC-RfG, ORDINANCE 140/2022

1. The output power may vary with the output voltage.
2. Refer to local requirements for exact number of microinverters per branch.
3. Nominal voltage/frequency can vary depending on local requirements.
4. TCL Cloud Monitoring System.

	HIGHER YIELDS 3hrs more generation 65 °C full power operation
	SAFETY&RELIABILITY RSD compliance IP67
	FLEXIBLE INSTALLATION Plug-and-Play design enables faster installation
	WIFI SETUP IN 20 SECORDS Encrypted WiFi solution for residential & commercial



Documents / Resources



[TCL TCL Series Smart Android TV](#) [pdf] Owner's Manual

TCL-800WE-P2, TCL-MI-800W-P2, TCL Series Smart Android TV, TCL Series, Smart Android T V, Android TV, TV

References

- [User Manual](#)

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