TSUN
MORE SAFETY MORE POWER

PowerTrunk

Micro AC Coupled Unit

TSOL-MAU16000

- Zero Export
- Time-of-use Control
- Parallel Output for Single/Three-phase Grids
- Dynamic Tariff Applicable
- Bidirectional Inverter Technology
- Grid-forming Capability (the off-grid port paired with grid-tie inverter)



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Technical Data

Model	TSOL-MAU16000
Battery (DC)	
Battery Type	$LiFePO_4$
Battery Capacity(kWh)	16.077
Nominal Voltage(V)	51.2
Life Cycle	≥10000(25°C)
DoD	90%
AC Port (On-grid)	
Rated Input Power(W)	6000
Rated Output Power(W)	6000/800
Operating Phase	L / N / PE
Rated Grid Voltage(V)	230
Grid Voltage Range(V)	187~253
Rated Grid Frequency(Hz)	50/60
Rated Grid Output Current(A)	26
Power Factor	0.8 leading...0.8 lagging
THDi	≤3%
Back-up(Off Grid)	
Max. Output Power(W)	6000
Rated Grid Voltage(V)	230
Max. Output Current(A)	26
Rated Output Voltage Frequency(Hz)	50/60
THDu(Linear Load)	≤3%
Efficiency	
Battery-AC Side Max.Efficiency	≥97.5%
Protection	
Protection Level	Ⅰ
Overvoltage/Voltage Withstand Level	DC Ⅱ/AC Ⅲ
General Data	
Isolation Type	Isolated
Operating Temperature Range	-20 ~ 55°C
Relative Humidity	0 ~ 95%
Ingress Protection	IP65
Cooling Strategy	Natural Convection
Max.Operating Altitude(m)	2000
Dimension（W*H*D）	700 x 880 x 275
Weight(kg)	138±2
Communication	WIFI/Bluetooth/RS485

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