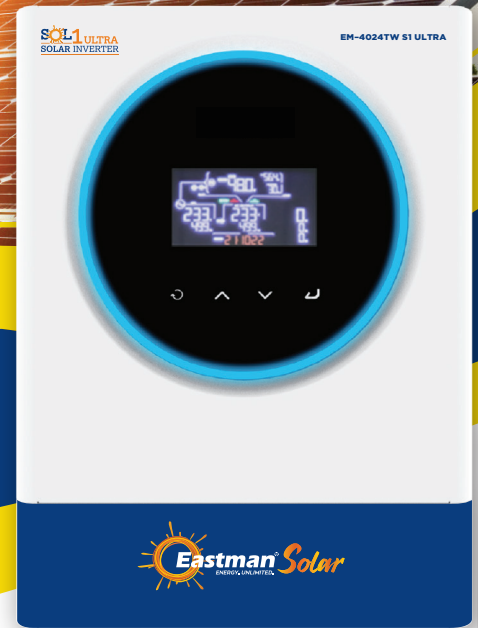


SOL1 ULTRA
SOLAR INVERTER

EM-4024TW S1 ULTRA
EM-6048TW S1 ULTRA



WatchPower

| | | | | | | | |
|---|---|---|---|--|----|--|----|
|  Power Factor 1 |  Max PV Array 4000W / 6000W |  MMPT Range 60-450VDC |  Solar Charge Current 120 A | | | | |
|  Lithium Compatible | Yes |  Wifi | Optional |  Detachable Screen | No |  Parallel Function | No |

Special Features

• Max PV input current 27A

Designed with 27A PV input current compatible to the market trend of increased Imp of solar panel

• Battery

Battery equalization function extend lifecycle Reserved communication port(RS485,CAN)for BMS

• Easy access

Two outputs for smart load management The second output can be scheduled on & off based on setting point of battery transfer to utility

• Interface

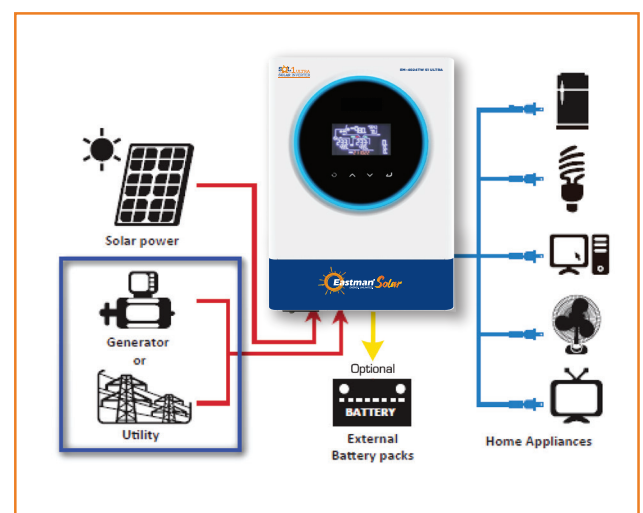
Global cloud platform mobile APP anytime and anywhere open APP, support power internet applications

• OFF-Grid

SOL1 ULTRA series is suitable for off-grid applications

• Lights

Customizable status LED ring with RGB lights





Technical Specifications

| Models | EM-4024TW S1 ULTRA | EM-6048TW S1 ULTRA |
|---------------------------------------|--|--------------------|
| Rated Power | 4000VA/4000W | 6000VA/6000W |
| AC INPUT | | |
| AC Voltage | 230VAC | |
| Voltage Range | 170-280VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances) | |
| Frequency Range | 50/60Hz (Auto sensing) | |
| AC OUTPUT | | |
| Surge Power | 8000VA | 12000VA |
| AC Voltage Regulation (Battery Mode) | 230VAC ± 5% | |
| Efficiency (Peak) | 93% | |
| Transfer Time | 10ms (For Personal Computers) ; 20ms (For Home Appliances) | |
| BATTERY | | |
| Battery Voltage | 24VDC | 48VDC |
| Floating Charge Voltage | 27VDC | 54VDC |
| Overcharge Protection | 33VDC | 63VDC |
| Battery type | Lithium/Lead-acid | |
| SOLAR CHARGER & AC CHARGER | | |
| Maximum PV Array Open Circuit Voltage | 500VDC | |
| Maximum PV Array Power | 5000W | 6000W |
| MPPT voltage range(V) | 60~450VDC | |
| Maximum input current | 27A | |
| MPPT tracker/strings | 1 | |
| Maximum solar charge current | 120A | |
| Maximum AC charge current | 100A | |
| Maximum charge current | 120A | |
| PROTECTION & FEATURE | | |
| AC overcurrent | Yes | |
| AC overvoltage | Yes | |
| Over temperature protection | Yes | |
| Smart load management | Yes | |
| GENERAL PARAMETERS | | |
| Operation temperature | 0°C ~ 50°C | |
| Relative humidity | 5% ~ 95% (Non-condensing) | |
| Altitude | (>2000m Derating) | |
| Dimensions DxWxH(mm) | 434*311*126.5 | |
| Net Weight(KG) | 8.5 | 9 |
| DISPLAY AND COMMUNICATION | | |
| Display | Touch buttons | |
| Interface | Standard:RS232; CAN&RS485; Optional:WiFi,Bluetooth | |
| Safety standard | EN/IEC62109-1,EN/IEC62109-2 | |

Product specification are subject to change without prior notice.