

TABUCHI ELECTRIC

M50 3-phase 25kW String Inverter



Designed for Maximizing Solar Production

- ▶ 98.5% Maximum efficiency
- ▶ 6 MPPT Input Strings - Independent 4.4kW MPPT Input Strings
- ▶ 4.4kW max. usable input power per string
- ▶ Highly corrosion-resistant enclosure
- ▶ Monitoring and parameter setting via Master Box
- ▶ Easy to setup

www.tabuchiaamerica.com



Three-phase 25kW Solar Inverter (EPW-T250P6-US)

Input (DC)

Max. input voltage	1000V
Rated input voltage	700V
Max. usable input power per string	4400W
MPPT voltage range	500V to 800V
Min. input voltage / start voltage	140 / 200V
Max. operating current per string	<10A
PV connection method	Multi string system
Number of independent MPPT inputs	6
Fuse Rating	15A

Output (AC)

Rated output power	25000W
Grid connection type	Three-phase, 4 wire + Ground
Rated AC voltage / range	480V / 422.4V to 528.0V (277V WYE)
Rated grid frequency / range	60Hz / 59.5Hz to 60.5Hz
Max. output current	31A
Power factor at rated power	> 0.99

Efficiency

Max. efficiency	98.5% (DC700 V, 50% output)
CEC efficiency	97.5%

Protective Devices

AC short-circuit current capability	Current control
Max. permissible fuse protection (Overcurrent protection device)	45 A
Ground-fault monitoring insulation monitoring	R iso > 200 k
Photovoltaic DC arc-fault circuit interrupter (PV AFCI)	Compliant with UL1699B

Features

Dimensions (W x H x D)	1350mm x 538mm x 300mm (53.1 x 21.2 x 11.8in)
Weight	90.5kg (199lb)
Operating temperature range	-20°C to +50°C (Rated output until 40°C)
Internal consumption	<12W TYP
Cooling concept	Internal air circulation
Enclosure Rating	UL50 Type 3R
Communications Interface	Master Box (RS485) - Required
Certifications	UL 1741/1699B, CAN/CSA C22.2 No. 107.1-01 IEEE 1547a, FCC class A
Topology	Transformer-less

*Master Box is required to use 25kW Inverter.

*Some specifications or aspects of appearance may be changed without notice to improve the product.