

TITAN
Microinverter
(3680W-6000W)



High power output

97.2%

peak efficiency up to 97.2%



Plug and Play Installation

Standard Accessories



AC Connector

Optional Accessories



AC Combiner Box

AC Cable:12AWG, 0.2m



Input (DC)	MP3680	MP3750	MP4000	MP4600	MP5000	MP6000
Recommended Module Power [W]	400 ~ 700+	400 ~ 700+	400 ~ 700+	400 ~ 700+	400 ~ 700+	400 ~ 700+
Quantity of PV Module	1 to 8	1 to 8	1 to 8	1 to 10	1 to 10	1 to 12
Start up Voltage per Input@Rated condition [V]	24	24	24	24	24	24
MPPT Voltage Range per Input [V]	22~120	22~120	22~120	22~120	22~120	22~120
Max. Input Voltage per Input [V]	120	120	120	120	120	120
Short Circuit Current per Input [A]	25	25	25	25	25	25
Max. Input Current per Input [A]	20	20	20	20	20	20
Quantity of MPPTs	4	4	4	5	5	6
Quantity of DC Inputs	4	4	4	5	5	6

Output (AC)						
Nominal Continuous Output Power [W]	3680	3750	4000	4600	5000	6000
Max. Output Current [A]	16	18.75	20	23	25	30
Nominal Output Voltage [V]	220/230/240, L/N/PE					
Nominal Frequency [Hz]	50/60					
Power Factor	>0.99 default, 0.8 leading ... 0.8 lagging					
Output Current Harmonic Distortion	<3%					

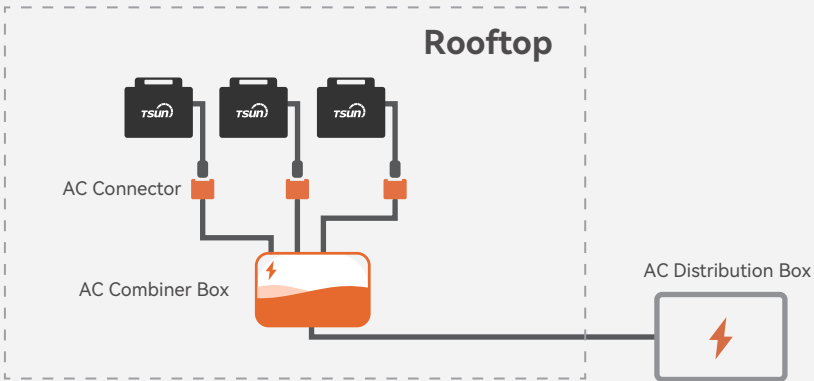
Efficiency	
Peak Inverter Efficiency	97.2%
EU Efficiency	96.7%
Nominal MPPT Efficiency	99.9%
Night Time Power Consumption	<1W

Mechanical Data	
Dimensions [WxHxD mm]	471 * 371 * 70
Weight [kg]	11

General Data	
Communication	WiFi (Bluetooth) + RS485, 4G (Optional)
Cable/Assembling	AC Cable up to 0.2m
Type of Isolation	Transformerless
Type of Enclosure	IP67
Cooling	Natural convection
Operating Ambient Temperature Range	-25 ~ +65 °C (derating of over 50°C Ambient Temperature@ PV input 30V)
Relative Humidity	100%
Max. Operating Altitude Without Derating [m]	2000

※ The AC voltage and frequency range may vary depending on specific country grid.

Wiring Diagram



AC Combiner Box

MODEL	Input	Output
MCB-21	2	1
MCB-31	3	1