

Energy Wizard 3.6-6kW-1P-3G



ADVANTAGES:

- Integrated display for easy and quick commissioning
- Up to 2 MPPT at 15 A
- 110% performance for higher yields
- Can be combined with the M-TEC Energy Butler

PV INVERTERS				
	3.6kW-1P-3G	4.2kW-1P-3G	6kW-1P-3G	
Article	672340	672341	672343	
General data				
Maximum efficiency	98,1			[%]
European efficiency	97,5			[%]
MPPT efficiency	99,9			[%]
Noise	< 25			[dB]
Cooling	Passive cooling			[-]
Weight	10			[kg]
Dimensions (WxHxD)	358 x 300 x 158			[mm]
Permissible ambient temperature	0/40 (non-condensing)			[°C]
Standby consumption	< 1			[W]
Certifications	CE, VDE, IT, ES			[-]
Topology	Without transformer			[-]
Housing protection class	IP65			[-]
Communication interfaces	RS485, WiFi/LAN, Web Portal, App			[-]

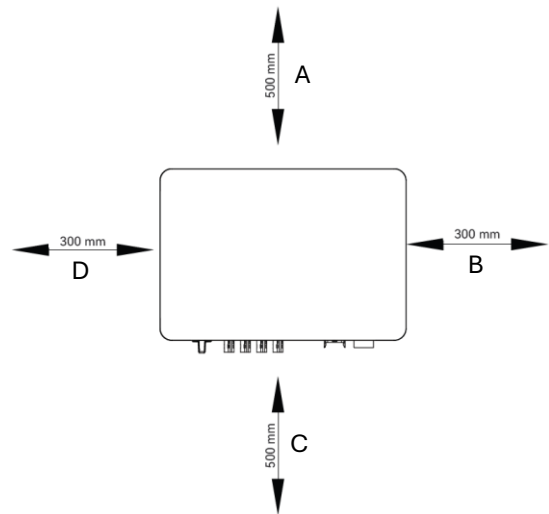
AC data mains-side				
Rated output power	3,6	4,2	6	[kW]
Max. output apparent power	3,96	4,6	6	[kVA]
Rated output current	15,7	18,3	26,1	[A]
Max. Output Current	18	21	26,1	[A]
Mains connection	L/N/PE (max. 10mm ² , F)			[-]
Operating voltage	1P, 230V, 50Hz			[-]
Nom. Output Frequency	50/60			[Hz]

PV connection				
Number of MPPTs	2			[-]
DC inputs per MPPT	1/1			[-]
Max. Input Current/MPPT	15/15			[A]
Short-circuit current/MPPT	20/20			[A]
MPPT Voltage Range	50-550			[V]
Starting voltage	60			[V]
Max. DC input voltage	550			[V]
DC Input Voltage Rating	360			[V]

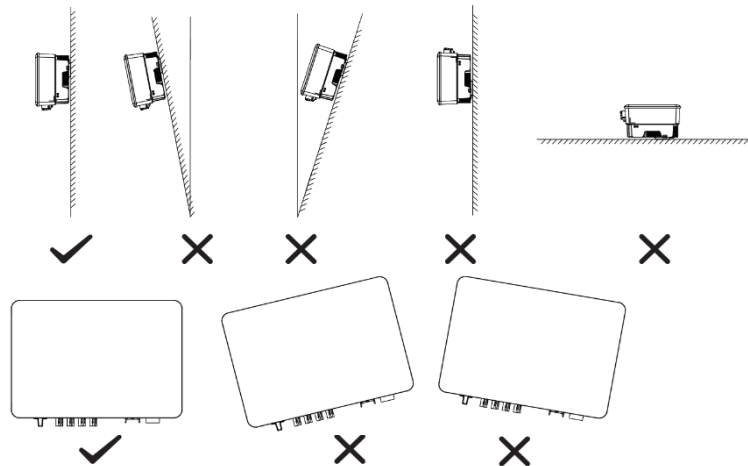
Built-in protective features				
DC Surge Protection, AC Surge Protection, Leakage Current Protection, Short Circuit Protection, Overload Protection, PV Input Reverse Polarity Protection, Insulation Impedance Protection, Anti-Islanding Protection, Over Temperature Protection				

Minimum distances

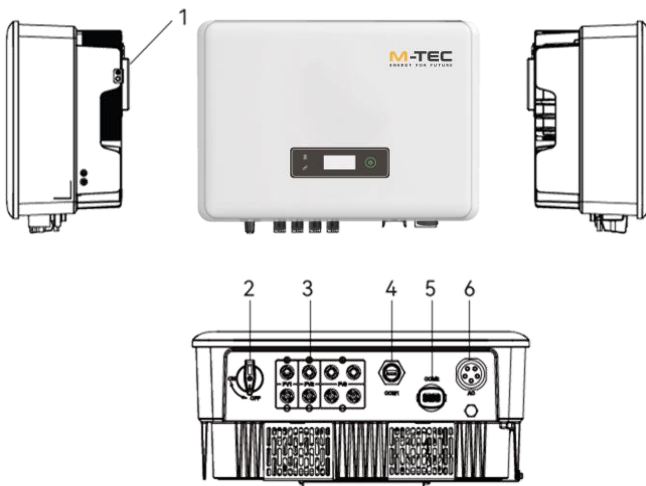
A:	500	[mm]
B:	300	[mm]
C:	500	[mm]
D:	300	[mm]



Installation guidelines



Connections



- 1 - Suspension device
- 2 - DC Switch
- 3 - DC Input/PV Connectors
- 4 - COM1 port: WLAN/LAN
- 5 - COM2 port: RS485
- 6 - AC Output

Electrical connection

