

Energy Wizard 5-25kW-3P-3G



ADVANTAGES:

- Integrated display for easy and quick commissioning
- Up to 3 MPPT at 30 A
- Can be combined with the M-TEC Energy Butler
- Maximum flexibility in PV planning

PV INVERTERS	5kW-	6kW-	8kW-	10kW-	12kW-	15kW-	20kW-	25kW-	
	3P-3G	3P-3G	3P-3G	3P-3G	3P-3G	3P-3G	3P-3G	3P-3G	
Article	672351	672352	672353	672354	672355	672356	672357	672358	
General data									
Max. efficiency	98,1	98,3	98,6						[%]
Europ. efficiency	97,9	98	98,2						[%]
MPPT efficiency	99,9								[%]
Noise	< 25				< 40				[dB]
Cooling	Passive cooling				Controlled fan				[-]
Weight	19	20,5			24				[kg]
Dimensions (WxHxD)	465 x 335 x 200								[mm]
Permissible ambient temperature	0/40 (non-condensing)								[°C]
Standby consumption	< 1								[W]
Certifications	CE, AT, VDE, IT								[-]
Topology	Without transformer								[-]
Housing protection class	IP65								[-]
Interfaces	RS485, WiFi/LAN, Web Portal, App								[-]

5kW-	6kW-	8kW-	10kW-	12kW-	15kW-	20kW-	25kW-	
3P-3G								

AC data mains-side									
Rated output power	5	6	8	10	12	15	20	25	[kW]
Max. output apparent power	5	6	8	10	12	15	20	25	[kVA]
Rated output current	7,2	8,7	11,6	14,5	17,4	21,7	29	36,2	[A]
Max. Output Current	7,6	9,1	12,1	15,2	18,2	22,7	30,3	37,9	[A]
Mains connection	3L/N/PE								[-]
Operating voltage	230/400								[V]
Nom. Output Frequency	50/60								[Hz]

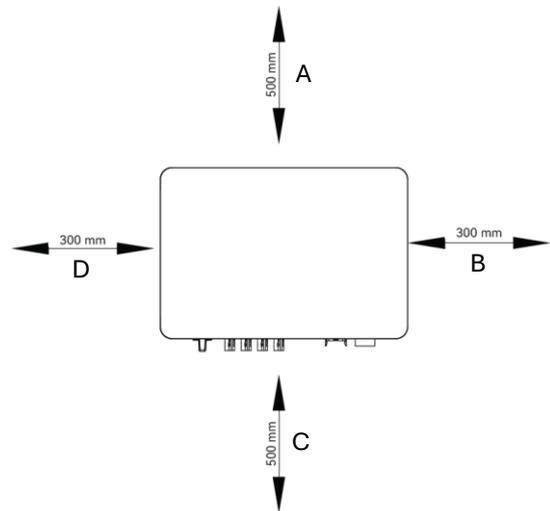
5kW-	6kW-	8kW-	10kW-	12kW-	15kW-	20kW-	25kW-	
3P-3G								

PV connection									
Number of MPPTs	2		3						[-]
DC inputs per MPPT	1/1		1/1/1		1/1/2				[-]
Max. Input Current/MPPT	15/15		15/15/15		15/15/30				[A]
Short-circuit current/MPPT	20/20		20/20/20		20/20/40				[A]
MPPT Voltage Range	160-950								[V]
Starting voltage	180								[V]
Max. DC input voltage	950								[V]
DC Input Voltage Rating	620								[V]

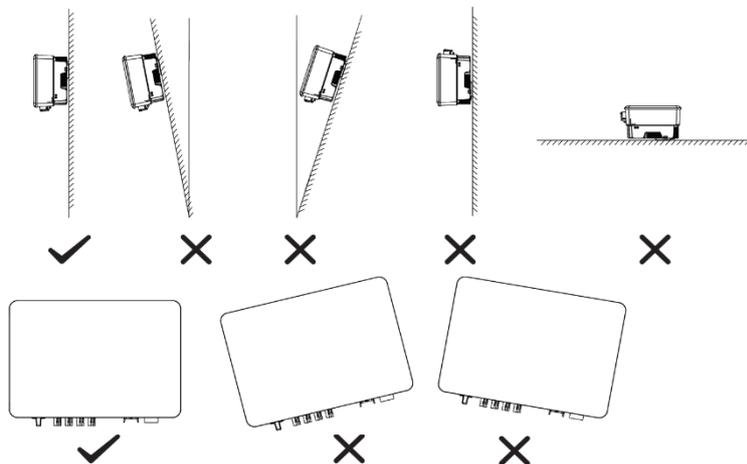
Built-in protective features									
DC Surge Protection, AC Surge Protection, Leakage Current Protection, Short Circuit Protection, Overload Protection, PV Input Reverse Polarity Protection, Insulation Impedance Protection, Anti-Islanding Protection, Over Temperature Protection									

Minimum distances

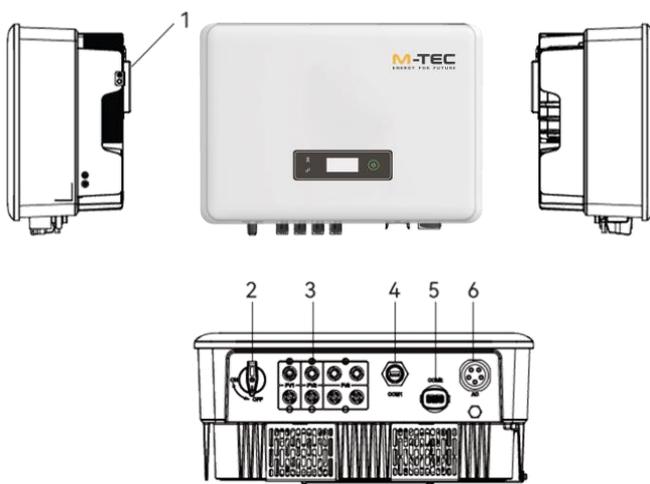
A:	500	[mm]
B:	300	[mm]
C:	500	[mm]
D:	300	[mm]



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

