


 DATASHEET **MTIFX 6** rev12
1400
1500
1600
1700
INPUT DATA

Minimum MPPT voltage (PF=1) ⁽¹⁾⁽²⁾	740 V	790 V	840 V	890 V
Maximum MPPT voltage	1170 V	1250 V		
Maximum open voltage	1400V	1500 V		
Maximum current ^(25°C)	2200 A			
Number of inputs	12 inputs / 1 MPPT			
Isolation Detection System	YES (isolation measure, GFDI optionally)			

OUTPUT DATA

Nominal output power (S/P ^{50°C})	1400 kVA/kW	1500 kVA/kW	1600 kVA/kW	1700 kVA/kW
Maximum output power (S/P ^{25°C}) ⁽²⁾	1565 kVA/kW	1676 kVA/kW	1788 kVA/kW	1900 kVA/kW
Nominal voltage (3F +10%, -15%)	515 V	550 V	585 V	620 V
Maximum current ^(50°C)	1583 A			
Maximum current ^(25°C)	1770 A			
Frequency	50/60 Hz			
Power Factor	Adjustable (1 at nominal power)			
Output THD	< 3% at nominal power			
Galvanic Isolation	NO (Option BT/MT-BT/BT)			
Maximum Efficiency	98,5 %	98,6 %	98,6 %	98,7 %
European Efficiency	98,2 %	98,2 %	98,3 %	98,4 %
Control Structure	Control Logic and DSP. SVM Technology			
Communication	Communication Port RS -485, Ethernet...			

PROTECTIONS

Overvoltage	Input and Output
Overcurrent	Input and Output
Inverse polarization	Yes
Overtemperature	Yes
Frequency max. / mín.	Yes
Voltage max./mín.	Yes
Anti-Islanding	Automatic Disconnection

GENERAL DATA

Working Temperature	- 20°C ...+ 50°C ⁽³⁾⁽⁴⁾
Relative Humidity	0%-100%
Dimensions (h x w x d)	2.300 x 1.920 x 1780 mm
Weight	3.200 Kg
Altitude	1000 m ⁽⁴⁾
Enclosure (IP)	IP54

⁽¹⁾ For other power factor values consult with MTI for Vdc(Q) ⁽²⁾ V grid nominal; ⁽³⁾ derating 50-60°C; ⁽⁴⁾ Temp. max. decrease 1,5°C each 100m above 1000m (example : At 2200msnm : 50°C-(1,5*(2200-1000)/100) = 32°C)


 DATASHEET **MTIFX 6** rev11
2100
2250
2400
2550
INPUT DATA

Minimum MPPT voltage (PF=1) ⁽¹⁾⁽²⁾	740 V	790 V	840 V	890 V
Maximum MPPT voltage	1170 V	1250 V		
Maximum open voltage	1400 V	1500 V		
Maximum current ^(25°C)	3300 A			
Number of inputs	18 inputs / 1 MPPT			
Isolation Detection System	YES (isolation measure, GFDI optionally)			

OUTPUT DATA

Nominal output power (S/P ^{50°C})	2100 kVA/kW	2250 kVA/kW	2400 kVA/kW	2550 kVA/kW
Maximum output power (S/P ^{25°C}) ⁽²⁾	2347 kVA/kW	2515 kVA/kW	2682 kVA/kW	2850 kVA/kW
Nominal voltage (3F +10%, -15%)	515 V	550 V	585 V	620 V
Maximum current ^(50°C)	2375 A			
Maximum current ^(25°C)	2650 A			
Frequency	50/60 Hz			
Power Factor	Adjustable (1 at nominal power)			
Output THD	< 3% at nominal power			
Galvanic Isolation	NO (Option BT/MT-BT/BT)			
Maximum Efficiency	98,5 %	98,6 %	98,6 %	98,7 %
European Efficiency	98,2 %	98,2 %	98,3 %	98,4 %
Control Structure	Control Logic and DSP. SVM Technology			
Communication	Communication Port RS -485, Ethernet...			

PROTECTIONS

Overvoltage	Input and Output
Overcurrent	Input and Output
Inverse polarization	Yes
Overtemperature	Yes
Frequency max. / mín.	Yes
Voltage max./mín.	Yes
Anti-Islanding	Automatic Disconnection

GENERAL DATA

Working Temperature	- 20°C ... + 50°C ⁽³⁾⁽⁴⁾
Relative Humidity	0%-100%
Dimensions (h x w x d)	2.300 x 2.870 x 1780 mm
Weight	4.500 Kg
Altitude	1000 m ⁽⁴⁾
Enclosure (IP)	IP54

⁽¹⁾ For other power factor values consult with MTI for Vdc(Q) ⁽²⁾ V grid nominal; ⁽³⁾ derating 50-60°C; ⁽⁴⁾ Temp. max. decrease 1,5°C each 100m above 1000m (example : At 2200msnm : 50°C-(1,5*(2200-1000)/100) = 32°C)



DATASHEET **MTIFX 6** rev12

1727
1780
1833
1887

INPUT DATA

Minimum MPPT voltage (PF=1) ⁽¹⁾ ⁽²⁾	906 V	935 V	965 V	995 V
Maximum MPPT voltage	1250 V			
Maximum open voltage	1500 V			
Maximum current ^(25°C)	2200 A			
Number of inputs	12 inputs / 1 MPPT			
Isolation Detection System	YES (isolation measure, GFDI optionally)			

OUTPUT DATA

Nominal output power (S/P ^{50°C})	1727 kVA/kW	1780 kVA/kW	1833 kVA/kW	1887 kVA/kW
Maximum output power (S/P ^{25°C}) ⁽²⁾	1931 kVA/kW	1987 kVA/kW	2050 kVA/kW	2110 kVA/kW
Nominal voltage (3F +10%, -15%)	630 V	650 V	670 V	690 V
Maximum current ^(50°C)	1583 A			
Maximum current ^(25°C)	1770 A			
Frequency	50/60 Hz			
Power Factor	Adjustable (1 at nominal power)			
Output THD	< 3% at nominal power			
Galvanic Isolation	NO (Option BT/MT-BT/BT)			
Maximum Efficiency	98,7 %	98,7 %	98,8 %	98,8 %
European Efficiency	98,4 %	98,4 %	98,4 %	98,4 %
Control Structure	Control Logic and DSP. SVM Technology			
Communication	Communication Port RS -485, Ethernet...			

PROTECTIONS

Overvoltage	Input and Output
Overcurrent	Input and Output
Inverse polarization	Yes
Overtemperature	Yes
Frequency max. / mín.	Yes
Voltage max./mín.	Yes
Anti-Islanding	Automatic Disconnection

GENERAL DATA

Working Temperature	- 20°C ...+ 50°C ⁽³⁾ ⁽⁴⁾
Relative Humidity	0%-100%
Dimensions (h x w x d)	2.300 x 1.920 x 1780 mm
Weight	3.200 Kg
Altitude	1000 m ⁽⁴⁾
Enclosure (IP)	IP54

⁽¹⁾ For other power factor values consult with MTI for Vdc(Q) ⁽²⁾ V grid nominal; ⁽³⁾ derating 50-60°C; ⁽⁴⁾ Temp. max. decrease 1,5°C each 100m above 1000m (example : At 2200msnm : 50°C-(1,5*(2200-1000)/100) = 32°C)



2590	2670	2750	2830
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INPUT DATA

Minimum MPPT voltage (PF=1) ^{(1) (2)}	906 V	935 V	965 V	995 V
Maximum MPPT voltage	1250 V			
Maximum open voltage	1500 V			
Maximum current ^(25°C)	3300 A			
Number of inputs	18 inputs / 1 MPPT			
Isolation Detection System	YES (isolation measure, GFDI optionally)			

OUTPUT DATA

Nominal output power (S/P ^{50°C})	2591 kVA/kW	2670 kVA/kW	2750 kVA/kW	2830 kVA/kW
Maximum output power (S/P ^{25°C}) ⁽²⁾	2895 kVA/kW	2980 kVA/kW	3075 kVA/kW	3165 kVA/kW
Nominal voltage (3F +10%, -15%)	630 V	650 V	670 V	690 V
Maximum current ^(50°C)	2375 A			
Maximum current ^(25°C)	2650 A			
Frequency	50/60 Hz			
Power Factor	Adjustable (1 at nominal power)			
Output THD	< 3% at nominal power			
Galvanic Isolation	NO (Option BT/MT-BT/BT)			
Maximum Efficiency	98,7 %	98,7 %	98,8 %	98,8 %
European Efficiency	98,4 %	98,4 %	98,5 %	98,5 %
Control Structure	Control Logic and DSP. SVM Technology			
Communication	Communication Port RS -485, Ethernet...			

PROTECTIONS

Overvoltage	Input and Output
Overcurrent	Input and Output
Inverse polarization	Yes
Overtemperature	Yes
Frequency max. / mín.	Yes
Voltage max./mín.	Yes
Anti-Islanding	Automatic Disconnection

GENERAL DATA

Working Temperature	- 20°C ... + 50°C ⁽³⁾⁽⁴⁾
Relative Humidity	0%-100%
Dimensions (h x w x d)	2.300 x 2.870 x 1780 mm
Weight	4.500 Kg
Altitude	1000 m ⁽⁴⁾
Enclosure (IP)	IP54

⁽¹⁾ For other power factor values consult with MTI for Vdc(Q) ⁽²⁾ V grid nominal; ⁽³⁾ derating 50-60°C; ⁽⁴⁾ Temp. max. decrease 1,5°C each 100m above 1000m (example : At 2200msnm : 50°C-(1,5*(2200-1000)/100) = 32°C)

320 E. Roselane St.
Houston, Texas, 77076
UNITED STATES