



GERMAN-based company ●●●

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The background consists of large, overlapping geometric shapes in shades of blue and grey. A large blue shape is on the left, and a grey shape is on the right, both with a subtle diagonal line pattern. A smaller blue shape is at the bottom right.

SOLAR  
IRRIGATION PACKAGES  
550Wp - 108PM12

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**2023**

Package Code	Irrigation Package For 1HP-0.75KW 1 PHASE / 230V Pump		
	Product Code	Product Description	Piece
GESP-220V-1.0HP-TT550	TT550-108SFHCMB	TommaTech 550Wp M12 108PM HC MB Solar Panel	8
	SPI-TT-01-1.5-MF	TommaTech 1.5kW 1 Faz/230V Solar Pump Inverter	1
	GSK-TT-01-0.75-5.5-2D	IP67 Galvanized Irrigation Board for 0.75-5.5kW Inverter	1
	AY-GA-DZ-12P-2X6	12 Panel 2x6 Flat Floor Zinc Plated Galvanized Substructure	1
	KBL-SYH6MM-SLRKBL	DC Black 1 Meter (6.0mm - Cross Section) Solar Cable	20
	KBL-KRMZ6MM-SLRKBL	DC Red 1 Meter (6.0mm - Cross Section) Solar Cable	20
	KNN-SMC4-SET	SMC4-MC4 Female-Male Connection Connector Set	2
	KBL-1X16-NYAF	1x16mm <sup>2</sup> NYAF Ground Cable (meter)	5
	SF-KZK-200-TPRKLM	200 cm Galvanized Grounding Stake	1

NUMBER OF CELLS
108PM
POWER OF THE SOLAR PANEL
550Wp
PANEL X STRING
8x1
APPLICATION AREA (m <sup>2</sup> )
18.2

Package Code	Irrigation Package For 1.5HP-1KW 1 PHASE / 230V Pump		
	Product Code	Product Description	Piece
GESP-220V-1.5HP-TT550	TT550-108SFHCMB	TommaTech 550Wp M12 108PM HC MB Solar Panel	8
	SPI-TT-01-1.5-MF	TommaTech 1.5kW 1 Faz/230V Solar Pump Inverter	1
	GSK-TT-01-0.75-5.5-2D	IP67 Galvanized Irrigation Board for 0.75-5.5kW Inverter	1
	AY-GA-DZ-12P-2X6	12 Panel 2x6 Flat Floor Zinc Plated Galvanized Substructure	1
	KBL-SYH6MM-SLRKBL	DC Black 1 Meter (6.0mm - Cross Section) Solar Cable	20
	KBL-KRMZ6MM-SLRKBL	DC Red 1 Meter (6.0mm - Cross Section) Solar Cable	20
	KNN-SMC4-SET	SMC4-MC4 Female-Male Connection Connector Set	2
	KBL-1X16-NYAF	1x16mm <sup>2</sup> NYAF Ground Cable (meter)	5
	SF-KZK-200-TPRKLM	200 cm Galvanized Grounding Stake	1

NUMBER OF CELLS
108PM
POWER OF THE SOLAR PANEL
550Wp
PANEL X STRING
8x1
APPLICATION AREA (m <sup>2</sup> )
18.2

Package Code	Irrigation Package For 2HP-1.5KW 1 PHASE / 230V Pump		
	Product Code	Product Description	Piece
GESP-220V-2.0HP-TT550	TT550-108SFHCMB	TommaTech 550Wp M12 108PM HC MB Solar Panel	9
	SPI-TT-02-2.2-MF	TommaTech 2.2kW 1 Phase/230V Solar Pump Inverter	1
	GSK-TT-01-0.75-5.5-2D	IP67 Galvanized Irrigation Board for 0.75-5.5kW Inverter	1
	AY-GA-DZ-12P-2X6	12 Panel 2x6 Flat Floor Zinc Plated Galvanized Substructure	1
	KBL-SYH6MM-SLRKBL	DC Black 1 Meter (6.0mm - Cross Section) Solar Cable	20
	KBL-KRMZ6MM-SLRKBL	DC Red 1 Meter (6.0mm - Cross Section) Solar Cable	20
	KNN-SMC4-SET	SMC4-MC4 Female-Male Connection Connector Set	2
	KBL-1X16-NYAF	1x16mm <sup>2</sup> NYAF Ground Cable (meter)	5
	SF-KZK-200-TPRKLM	200 cm Galvanized Grounding Stake	1

NUMBER OF CELLS
108PM
POWER OF THE SOLAR PANEL
550Wp
PANEL X STRING
9x1
APPLICATION AREA (m <sup>2</sup> )
18.6

Package Code	Irrigation Package For 3HP-2.2KW 1 PHASE / 230V Pump			NUMBER OF CELLS
	Product Code	Product Description	Piece	
GESP-220V-3.0HP-TT550	TT550-108SFHCMB	TommaTech 550Wp M12 108PM HC MB Solar Panel	9	108PM
	SPI-TT-02-2.2-MF	TommaTech 2.2kW 1 Phase/230V Solar Pump Inverter	1	POWER OF THE SOLAR PANEL
	GSK-TT-01-0.75-5.5-2D	IP67 Galvanized Irrigation Board for 0.75-5.5kW Inverter	1	550Wp
	AY-GA-DZ-12P-2X6	12 Panel 2x6 Flat Floor Zinc Plated Galvanized Substructure	1	PANEL X STRING
	KBL-SYH6MM-SLRKBL	DC Black 1 Meter (6.0mm - Cross Section) Solar Cable	20	9x1
	KBL-KRMZ6MM-SLRKBL	DC Red 1 Meter (6.0mm - Cross Section) Solar Cable	20	APPLICATION AREA (m <sup>2</sup> )
	KNN-SMC4-SET	SMC4-MC4 Female-Male Connection Connector Set	2	18.6
	KBL-1X16-NYAF	1x16mm <sup>2</sup> NYAF Ground Cable (meter)	5	
	SF-KZK-200-TPRKLM	200 cm Galvanized Grounding Stake	1	

Package Code	Irrigation Package For 4HP-3KW 3 PHASE / 400V Pump			NUMBER OF CELLS
	Product Code	Product Description	Piece	
GESP-380V-4.0HP-TT550	TT550-108SFHCMB	TommaTech 550Wp M12 108PM HC MB Solar Panel	15	108PM
	SPI-TT-05-4.0-TF	TommaTech 4kW 3 Phase/400V Solar Pump Inverter	1	POWER OF THE SOLAR PANEL
	GSK-TT-01-0.75-5.5-2D	IP67 Galvanized Irrigation Board for 0.75-5.5kW Inverter	1	550Wp
	AY-GA-DZ-18P-2X9	18 Panel 2x9 Flat Floor Zinc Plated Galvanized Substructure	1	PANEL X STRING
	KBL-SYH6MM-SLRKBL	DC Black 1 Meter (6.0mm - Cross Section) Solar Cable	20	15x1
	KBL-KRMZ6MM-SLRKBL	DC Red 1 Meter (6.0mm - Cross Section) Solar Cable	20	APPLICATION AREA (m <sup>2</sup> )
	KNN-SMC4-SET	SMC4-MC4 Female-Male Connection Connector Set	2	39
	KBL-1X16-NYAF	1x16mm <sup>2</sup> NYAF Ground Cable (meter)	5	
	SF-KZK-200-TPRKLM	200 cm Galvanized Grounding Stake	1	

Package Code	Irrigation Package For 5.5HP-4KW 3 PHASE / 400V Pump			NUMBER OF CELLS
	Product Code	Product Description	Piece	
GESP-380V-5.5HP-TT550	TT550-108SFHCMB	TommaTech 550Wp M12 108PM HC MB Solar Panel	17	108PM
	SPI-TT-06-5.5-TF	TommaTech 5.5kW 3 Phase/400V Solar Pump Inverter	1	POWER OF THE SOLAR PANEL
	GSK-TT-01-0.75-5.5-2D	IP67 Galvanized Irrigation Board for 0.75-5.5kW Inverter	1	550Wp
	AY-GA-DZ-18P-2X9	18 Panel 2x9 Flat Floor Zinc Plated Galvanized Substructure	1	PANEL X STRING
	KBL-SYH6MM-SLRKBL	DC Black 1 Meter (6.0mm - Cross Section) Solar Cable	20	17x1
	KBL-KRMZ6MM-SLRKBL	DC Red 1 Meter (6.0mm - Cross Section) Solar Cable	20	APPLICATION AREA (m <sup>2</sup> )
	KNN-SMC4-SET	SMC4-MC4 Female-Male Connection Connector Set	2	44.2
	KBL-1X16-NYAF	1x16mm <sup>2</sup> NYAF Ground Cable (meter)	5	
	SF-KZK-200-TPRKLM	200 cm Galvanized Grounding Stake	1	

Package Code	Irrigation Package For 7.5HP-5.5KW 3 PHASE / 400V Pump		
	Product Code	Product Description	Piece
GESP-380V-7.5HP-TT550	TT550-108SFHCMB	TommaTech 550Wp M12 108PM HC MB Solar Panel	17
	SPI-TT-07-7.5-TF	TommaTech 7.5kW 3 Phase/400V Solar Pump Inverter	1
	GSK-TT-02-7.5-11-4D	IP67 Galvanized Irrigation Board for 7.5-11kW Inverter	1
	AY-GA-DZ-18P-2X9	18 Panel 2x9 Flat Floor Zinc Plated Galvanized Substructure	1
	KBL-SYH6MM-SLRKBL	DC Black 1 Meter (6.0mm - Cross Section) Solar Cable	20
	KBL-KRMZ6MM-SLRKBL	DC Red 1 Meter (6.0mm - Cross Section) Solar Cable	20
	KNN-SMC4-SET	SMC4-MC4 Female-Male Connection Connector Set	2
	KBL-1X16-NYAF	1x16mm <sup>2</sup> NYAF Ground Cable (meter)	5
	SF-KZK-200-TPRKLM	200 cm Galvanized Grounding Stake	1

NUMBER OF CELLS
108PM
POWER OF THE SOLAR PANEL
550Wp
PANEL X STRING
17x1
APPLICATION AREA (m <sup>2</sup> )
44.2

Package Code	Irrigation Package For 10HP-7.5KW 3 PHASE / 400V Pump		
	Product Code	Product Description	Piece
GESP-380V-10HP-TT550	TT550-108SFHCMB	TommaTech 550Wp M12 108PM HC MB Solar Panel	21
	SPI-TT-08-11.0-TF	TommaTech 11kW 3 Phase/400V Solar Pump Inverter	1
	GSK-TT-02-7.5-11-4D	IP67 Galvanized Irrigation Board for 7.5-11kW Inverter	1
	AY-GA-DZ-24P-2X12	24 Panel 2x12 Flat Floor Zinc Plated Galvanized Substructure	1
	KBL-SYH6MM-SLRKBL	DC Black 1 Meter (6.0mm - Cross Section) Solar Cable	40
	KBL-KRMZ6MM-SLRKBL	DC Red 1 Meter (6.0mm - Cross Section) Solar Cable	40
	KNN-SMC4-SET	SMC4-MC4 Female-Male Connection Connector Set	2
	KBL-1X16-NYAF	1x16mm <sup>2</sup> NYAF Ground Cable (meter)	5
	SF-KZK-200-TPRKLM	200 cm Galvanized Grounding Stake	1

NUMBER OF CELLS
108PM
POWER OF THE SOLAR PANEL
550Wp
PANEL X STRING
21x1
APPLICATION AREA (m <sup>2</sup> )
54

Package Code	Irrigation Package For 15HP-11KW 3 PHASE / 400V Pump		
	Product Code	Product Description	Piece
GESP-380V-15HP-TT550	TT550-108SFHCMB	TommaTech 550Wp M12 108PM HC MB Solar Panel	32
	SPI-TT-09-15.0-TF	TommaTech 15kW 3 Phase/400V Solar Pump Inverter	1
	GSK-TT-03-15-6D	IP67 Galvanized Irrigation Board for 15kW Inverter	1
	AY-GA-DZ-36P-2X18	36 Panel 2x18 Flat Floor Zinc Plated Galvanized Substructure	1
	KBL-SYH6MM-SLRKBL	DC Black 1 Meter (6.0mm - Cross Section) Solar Cable	60
	KBL-KRMZ6MM-SLRKBL	DC Red 1 Meter (6.0mm - Cross Section) Solar Cable	60
	KNN-SMC4-SET	SMC4-MC4 Female-Male Connection Connector Set	4
	KBL-1X16-NYAF	1x16mm <sup>2</sup> NYAF Ground Cable (meter)	5
	SF-KZK-200-TPRKLM	200 cm Galvanized Grounding Stake	1

NUMBER OF CELLS
108PM
POWER OF THE SOLAR PANEL
550Wp
PANEL X STRING
16x2
APPLICATION AREA (m <sup>2</sup> )
83.2



Package Code	Irrigation Package For 20HP-15KW 3 PHASE / 400V Pump		
	Product Code	Product Description	Piece
GESP-380V-20HP-TT550	TT550-108SFHCMB	TommaTech 550Wp M12 108PM HC MB Solar Panel	45
	SPI-TT-10-18.5-TF	TommaTech 18.5kW 3 Phase/400V Solar Pump Inverter	1
	GSK-TT-04-18.5-8D	IP67 Galvanized Irrigation Board for 18.5kW Inverter	1
	AY-GA-DZ-48P-2X24	48 Panel 2x24 Flat Floor Zinc Plated Galvanized Substructure	1
	KBL-SYH6MM-SLRKBL	DC Black 1 Meter (6.0mm - Cross Section) Solar Cable	60
	KBL-KRMZ6MM-SLRKBL	DC Red 1 Meter (6.0mm - Cross Section) Solar Cable	60
	KNN-SMC4-SET	SMC4-MC4 Female-Male Connection Connector Set	6
	KBL-1X16-NYAF	1x16mm <sup>2</sup> NYAF Ground Cable (meter)	5
	SF-KZK-200-TPRKLM	200 cm Galvanized Grounding Stake	1

NUMBER OF CELLS
108PM
POWER OF THE SOLAR PANEL
550Wp
PANEL X STRING
17x3
APPLICATION AREA (m <sup>2</sup> )
105.6

Package Code	Irrigation Package For 25HP-18.5KW 3 PHASE / 400V Pump		
	Product Code	Product Description	Piece
GESP-380V-25HP-TT550	TT550-108SFHCMB	TommaTech 550Wp M12 108PM HC MB Solar Panel	51
	SPI-TT-11-22.0-TF	TommaTech 22kW 3 Phase/400V Solar Pump Inverter	1
	GSK-TT-05-22-10D	IP67 Galvanized Irrigation Board for 22kW Inverter	1
	AY-GA-DZ-60P-2X30	60 Panel 2x30 Flat Floor Zinc Plated Galvanized Substructure	1
	KBL-SYH6MM-SLRKBL	DC Black 1 Meter (6.0mm - Cross Section) Solar Cable	80
	KBL-KRMZ6MM-SLRKBL	DC Red 1 Meter (6.0mm - Cross Section) Solar Cable	80
	KNN-SMC4-SET	SMC4-MC4 Female-Male Connection Connector Set	6
	KBL-1X16-NYAF	1x16mm <sup>2</sup> NYAF Ground Cable (meter)	5
	SF-KZK-200-TPRKLM	200 cm Galvanized Grounding Stake	1

NUMBER OF CELLS
108PM
POWER OF THE SOLAR PANEL
550Wp
PANEL X STRING
17x3
APPLICATION AREA (m <sup>2</sup> )
117

Package Code	Irrigation Package For 30HP-22KW 3 PHASE / 400V Pump		
	Product Code	Product Description	Piece
GESP-380V-30HP-TT550	TT550-108SFHCMB	TommaTech 550Wp M12 108PM HC MB Solar Panel	68
	SPI-TT-12-30.0-TF	TommaTech 30kW 3 Phase/400V Solar Pump Inverter	1
	GSK-TT-06-30-12D	IP67 Galvanized Irrigation Board for 30kW Inverter	1
	AY-GA-DZ-66P-2X33	66 Panel 2x33 Flat Floor Zinc Plated Galvanized Substructure	1
	AY-GA-DZ-06P-2X3	6 Panel 2x3 Flat Floor Zinc Plated Galvanized Substructure	1
	KBL-SYH6MM-SLRKBL	DC Black 1 Meter (6.0mm - Cross Section) Solar Cable	100
	KBL-KRMZ6MM-SLRKBL	DC Red 1 Meter (6.0mm - Cross Section) Solar Cable	100
	KNN-SMC4-SET	SMC4-MC4 Female-Male Connection Connector Set	8
	KBL-1X16-NYAF	1x16mm <sup>2</sup> NYAF Ground Cable (meter)	5
	SF-KZK-200-TPRKLM	200 cm Galvanized Grounding Stake	1

NUMBER OF CELLS
108PM
POWER OF THE SOLAR PANEL
550Wp
PANEL X STRING
17x4
APPLICATION AREA (m <sup>2</sup> )
176.8

Package Code	Irrigation Package For 35HP-26KW 3 PHASE / 400V Pump		
	Product Code	Product Description	Piece
GESP-380V-35HP-TT550	TT550-108SFHCMB	TommaTech 550Wp M12 108PM HC MB Solar Panel	76
	SPI-TT-12-30.0-TF	TommaTech 30kW 3 Phase/400V Solar Pump Inverter	1
	GSK-TT-06-30-12D	IP67 Galvanized Irrigation Board for 30kW Inverter	1
	AY-GA-DZ-66P-2X33	66 Panel 2x33 Flat Floor Zinc Plated Galvanized Substructure	1
	AY-GA-DZ-12P-2X6	12 Panel 2x6 Flat Floor Zinc Plated Galvanized Substructure	1
	KBL-SYH6MM-SLRKBL	DC Black 1 Meter (6.0mm - Cross Section) Solar Cable	100
	KBL-KRMZ6MM-SLRKBL	DC Red 1 Meter (6.0mm - Cross Section) Solar Cable	100
	KNN-SMC4-SET	SMC4-MC4 Female-Male Connection Connector Set	8
	KBL-1X16-NYAF	1x16mm <sup>2</sup> NYAF Ground Cable (meter)	5
	SF-KZK-200-TPRKLM	200 cm Galvanized Grounding Stake	1

NUMBER OF CELLS
108PM
POWER OF THE SOLAR PANEL
550Wp
PANEL X STRING
19x4
APPLICATION AREA (m <sup>2</sup> )
196

Package Code	Irrigation Package For 40HP-30KW 3 PHASE / 400V Pump		
	Product Code	Product Description	Piece
GESP-380V-40HP-TT550	TT550-108SFHCMB	TommaTech 550Wp M12 108PM HC MB Solar Panel	90
	SPI-TT-13-37.0-TF	TommaTech 37kW 3 Phase/400V Solar Pump Inverter	1
	GSK-TT-07-37-16D	P67 Galvanized Irrigation Board for 37kW Inverter	1
	AY-GA-DZ-66P-2X33	66 Panel 2x33 Flat Floor Zinc Plated Galvanized Substructure	1
	AY-GA-DZ-24P-2X12	24 Panel 2x12 Flat Floor Zinc Plated Galvanized Substructure	1
	KBL-SYH6MM-SLRKBL	DC Black 1 Meter (6.0mm - Cross Section) Solar Cable	130
	KBL-KRMZ6MM-SLRKBL	DC Red 1 Meter (6.0mm - Cross Section) Solar Cable	130
	KNN-SMC4-SET	SMC4-MC4 Female-Male Connection Connector Set	10
	KBL-1X16-NYAF	1x16mm <sup>2</sup> NYAF Ground Cable (meter)	5
	SF-KZK-200-TPRKLM	200 cm Galvanized Grounding Stake	1

NUMBER OF CELLS
108PM
POWER OF THE SOLAR PANEL
550Wp
PANEL X STRING
18x5
APPLICATION AREA (m <sup>2</sup> )
234

Package Code	Irrigation Package For 50HP-37KW 3 PHASE / 400V Pump		
	Product Code	Product Description	Piece
GESP-380V-50HP-TT550	TT550-108SFHCMB	TommaTech 550Wp M12 108PM HC MB Solar Panel	108
	SPI-TT-14-45.0-TF	TommaTech 45kW 3 Phase/400V Solar Pump Inverter	1
	GSK-TT-08-45-20D	IP67 Galvanized Irrigation Board for 45kW Inverter	1
	AY-GA-DZ-60P-2X30	60 Panel 2x30 Flat Floor Zinc Plated Galvanized Substructure	1
	AY-GA-DZ-48P-2X24	48 Panel 2x24 Flat Floor Zinc Plated Galvanized Substructure	1
	KBL-SYH6MM-SLRKBL	DC Black 1 Meter (6.0mm - Cross Section) Solar Cable	150
	KBL-KRMZ6MM-SLRKBL	DC Red 1 Meter (6.0mm - Cross Section) Solar Cable	150
	KNN-SMC4-SET	SMC4-MC4 Female-Male Connection Connector Set	12
	KBL-1X16-NYAF	1x16mm <sup>2</sup> NYAF Ground Cable (meter)	5
	SF-KZK-200-TPRKLM	200 cm Galvanized Grounding Stake	1

NUMBER OF CELLS
108PM
POWER OF THE SOLAR PANEL
550Wp
PANEL X STRING
18x6
APPLICATION AREA (m <sup>2</sup> )
276.5

Package Code	Irrigation Package For 60HP-45KW 3 PHASE / 400V Pump		
	Product Code	Product Description	Piece
GESP-380V-60HP-TT550	TT550-108SFHCMB	TommaTech 550Wp M12 108PM HC MB Solar Panel	126
	SPI-TT-15-55.0-TF	TommaTech 55kW 3 Phase/400V Solar Pump Inverter	1
	GSK-TT-09-55-24D	IP67 Galvanized Irrigation Board for 55kW Inverter	1
	AY-GA-DZ-66P-2X33	66 Panel 2x33 Flat Floor Zinc Plated Galvanized Substructure	1
	AY-GA-DZ-60P-2X30	60 Panel 2x30 Flat Floor Zinc Plated Galvanized Substructure	1
	KBL-SYH6MM-SLRKBL	DC Black 1 Meter (6.0mm - Cross Section) Solar Cable	170
	KBL-KRMZ6MM-SLRKBL	DC Red 1 Meter (6.0mm - Cross Section) Solar Cable	170
	KNN-SMC4-SET	SMC4-MC4 Female-Male Connection Connector Set	14
	KBL-1X16-NYAF	1x16mm <sup>2</sup> NYAF Ground Cable (meter)	5
	SF-KZK-200-TPRKLM	200 cm Galvanized Grounding Stake	1

NUMBER OF CELLS
108PM
POWER OF THE SOLAR PANEL
550Wp
PANEL X STRING
18x7
APPLICATION AREA (m <sup>2</sup> )
353.6

Package Code	Irrigation Package For 75HP-55KW 3 PHASE / 400V Pump		
	Product Code	Product Description	Piece
GESP-380V-75HP-TT550	TT550-108SFHCMB	TommaTech 550Wp M12 108PM HC MB Solar Panel	153
	SPI-TT-16-75.0-TF	TommaTech 75kW 3 Phase/400V Solar Pump Inverter	1
	GSK-TT-10-75-32D	IP67 Galvanized Irrigation Board for 75kW Inverter	1
	AY-GA-DZ-60P-2X30	60 Panel 2x30 Flat Floor Zinc Plated Galvanized Substructure	2
	AY-GA-DZ-24P-2X12	24 Panel 2x12 Flat Floor Zinc Plated Galvanized Substructure	1
	KBL-SYH6MM-SLRKBL	DC Black 1 Meter (6.0mm - Cross Section) Solar Cable	200
	KBL-KRMZ6MM-SLRKBL	DC Red 1 Meter (6.0mm - Cross Section) Solar Cable	200
	KNN-SMC4-SET	SMC4-MC4 Female-Male Connection Connector Set	18
	KBL-1X16-NYAF	1x16mm <sup>2</sup> NYAF Ground Cable (meter)	5
	SF-KZK-200-TPRKLM	200 cm Galvanized Grounding Stake	1

NUMBER OF CELLS
108PM
POWER OF THE SOLAR PANEL
550Wp
PANEL X STRING
17x9
APPLICATION AREA (m <sup>2</sup> )
392.4

Package Code	Irrigation Package For 100HP-75KW 3 PHASE / 400V Pump		
	Product Code	Product Description	Piece
GESP-380V-100HP-TT550	TT550-108SFHCMB	TommaTech 550Wp M12 108PM HC MB Solar Panel	216
	SPI-TT-17-90.0-TF	TommaTech 90kW 3 Phase/400V Solar Pump Inverter	1
	GSK-TT-11-90-40D	IP67 Galvanized Irrigation Board for 90kW Inverter	1
	AY-GA-DZ-66P-2X33	66 Panel 2x33 Flat Floor Zinc Plated Galvanized Substructure	3
	AY-GA-DZ-18P-2X9	18 Panel 2x9 Flat Floor Zinc Plated Galvanized Substructure	1
	KBL-SYH6MM-SLRKBL	DC Black 1 Meter (6.0mm - Cross Section) Solar Cable	280
	KBL-KRMZ6MM-SLRKBL	DC Red 1 Meter (6.0mm - Cross Section) Solar Cable	280
	KNN-SMC4-SET	SMC4-MC4 Female-Male Connection Connector Set	24
	KBL-1X16-NYAF	1x16mm <sup>2</sup> NYAF Ground Cable (meter)	5
	SF-KZK-200-TPRKLM	200 cm Galvanized Grounding Stake	1

NUMBER OF CELLS
108PM
POWER OF THE SOLAR PANEL
550Wp
PANEL X STRING
18x12
APPLICATION AREA (m <sup>2</sup> )
572

Package Code	Irrigation Package For 125HP-90KW 3 PHASE / 400V Pump		
	Product Code	Product Description	Piece
GESP-380V-125HP-TT550	TT550-108SFHCMB	TommaTech 550Wp M12 108PM HC MB Solar Panel	252
	SPI-TT-18-110.0-TF	TommaTech 110kW 3 Phase/400V Solar Pump Inverter	1
	GSK-TT-12-110-48D	IP67 Galvanized Irrigation Board for 110kW Inverter	1
	AY-GA-DZ-60P-2X30	60 Panel 2x30 Flat Floor Zinc Plated Galvanized Substructure	4
	AY-GA-DZ-12P-2X6	12 Panel 2x6 Flat Floor Zinc Plated Galvanized Substructure	1
	KBL-SYH6MM-SLRKBL	DC Black 1 Meter (6.0mm - Cross Section) Solar Cable	320
	KBL-KRMZ6MM-SLRKBL	DC Red 1 Meter (6.0mm - Cross Section) Solar Cable	320
	KNN-SMC4-SET	SMC4-MC4 Female-Male Connection Connector Set	28
	KBL-1X16-NYAF	1x16mm <sup>2</sup> NYAF Ground Cable (meter)	5
	SF-KZK-200-TPRKLM	200 cm Galvanized Grounding Stake	1

NUMBER OF CELLS
108PM
POWER OF THE SOLAR PANEL
550Wp
PANEL X STRING
18x14
APPLICATION AREA (m <sup>2</sup> )
680.4

Package Code	Irrigation Package For 150HP-110KW 3 PHASE / 400V Pump		
	Product Code	Product Description	Piece
GESP-380V-150HP-TT550	TT550-108SFHCMB	TommaTech 550Wp M12 108PM HC MB Solar Panel	306
	SPI-TT-19-132.0-TF	TommaTech 132kW 3 Phase/400V Solar Pump Inverter	1
	GSK-TT-12-132-58D	IP67 Galvanized Irrigation Board for 132kW Inverter	1
	AY-GA-DZ-66P-2X33	66 Panel 2x33 Flat Floor Zinc Plated Galvanized Substructure	4
	AY-GA-DZ-42P-2X21	42 Panel 2x24 Flat Floor Zinc Plated Galvanized Substructure	1
	KBL-SYH6MM-SLRKBL	DC Black 1 Meter (6.0mm - Cross Section) Solar Cable	410
	KBL-KRMZ6MM-SLRKBL	DC Red 1 Meter (6.0mm - Cross Section) Solar Cable	410
	KNN-SMC4-SET	SMC4-MC4 Female-Male Connection Connector Set	34
	KBL-1X16-NYAF	1x16mm <sup>2</sup> NYAF Ground Cable (meter)	5
	SF-KZK-200-TPRKLM	200 cm Galvanized Grounding Stake	1

NUMBER OF CELLS
108PM
POWER OF THE SOLAR PANEL
550Wp
PANEL X STRING
18x17
APPLICATION AREA (m <sup>2</sup> )
843.6

## PERC MONOCRYSTALLINE 108PM12

- ◆ TT550-108PM12 550 Wp
- ◆ TT535-108PM12 535 Wp
- ◆ TT545-108PM12 545 Wp
- ◆ TT530-108PM12 530 Wp
- ◆ TT540-108PM12 540Wp



### High Conversion Efficiency

High panel efficiency to guarantee high power output



### Self-Cleaning And Anti-Reflection Glass

Coating glass for self-cleaning reduces surface dust



### Outstanding Low Irradiation Glass

Outstanding panel performance even in weak light conditions



### Excellent Durability

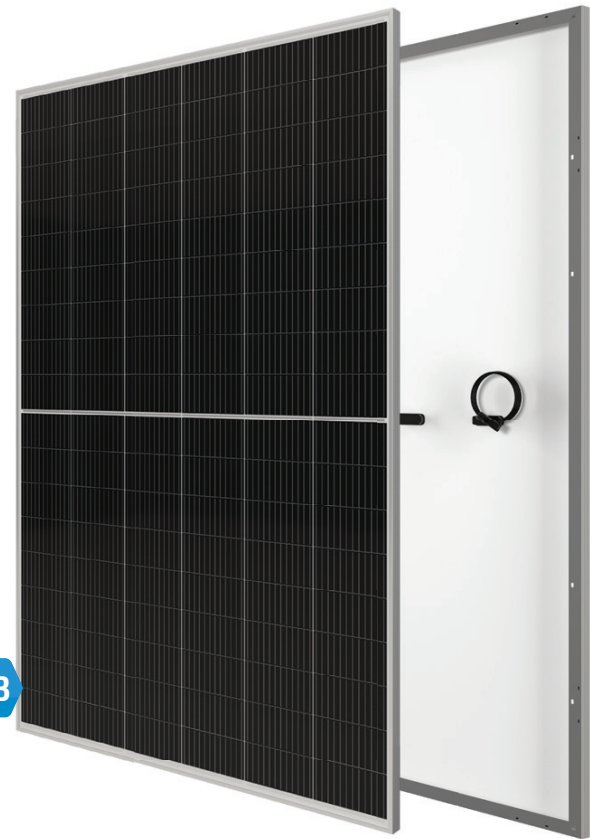
Wind load up to 2400 Pa, Snow load up to 5400 Pa



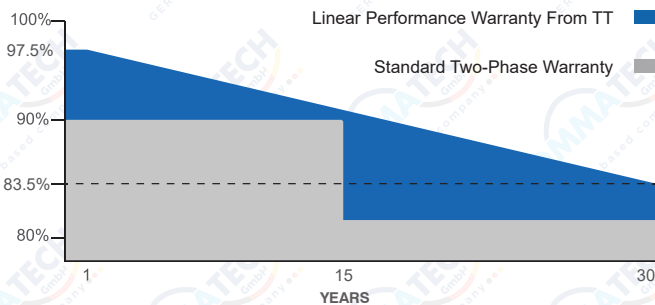
### 0~+5W Positive Power Tolerance



### Easy Installation



12BB



- ✓ 30 Years Performance Warranty
- ✓ 12 Years Product Warranty

## Half-Cut



IEC 61215, IEC 61730-1, IEC 61730-2  
IEC 62804 PID (POTENTIAL INDUCED DEGRADATION)  
IEC 61701 SALT MIST CORROSION  
IEC 62716 AMMONIA CORROSION  
ISO 9001:2015, ISO 14001:2015, ISO 45001:2018





Model Type	TT530 108PM12	TT535 108PM12	TT540 108PM12	TT545 108PM12	TT550 108PM12
Peak Power (P <sub>max</sub> )	530 Wp	535 Wp	540 Wp	545 Wp	550 Wp
Module Efficiency %	20.70	20.90	21.09	21.29	21.48
Maximum Power Voltage (V <sub>mp</sub> )	30.7	30.9	31.1	31.3	31.5
Maximum Power Current (I <sub>mp</sub> )	17.27	17.31	17.36	17.42	17.46
Open Circuit Voltage (V <sub>oc</sub> )	37.0	37.2	37.5	37.7	37.9
Short Circuit Current (I <sub>sc</sub> )	18.28	18.33	18.38	18.45	18.49
Power Tolerance	0~+5W				
Maximum System Voltage	1500V DC				
Operating Temperature	-40 ~ +85°C				
Fire Safety Class	C				
Maximum Series Fuse Rating	30A				

### MECHANICAL SPECIFICATIONS

Cell Dimensions(mm)	210x105
Cells per Module(pcs)	108 (6x18)
Weight(kg)	28.5
Panel Dimensions(mm)	1965x1303x35
Max. Wind/Snow Load(Pa)	2400/5400
Junction Box	IP68
Junction Box Cable Length(mm)	350-1600

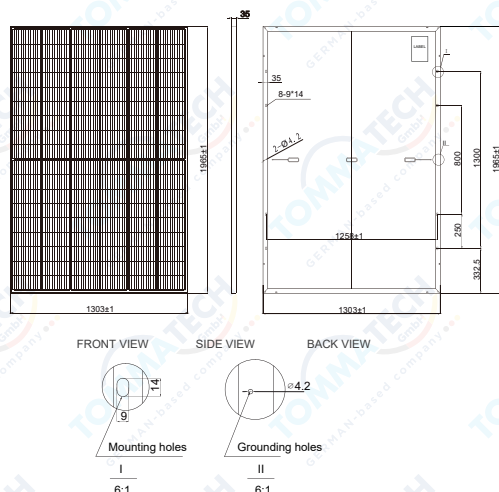
### TEMPERATURE CHARACTERISTICS

Temp. Coeff. of (I <sub>sc</sub> )	0.05%/°C
Temp. Coeff. of (V <sub>oc</sub> )	-0.27%/°C
Temp. Coeff. of (P <sub>max</sub> )	-0.35%/°C

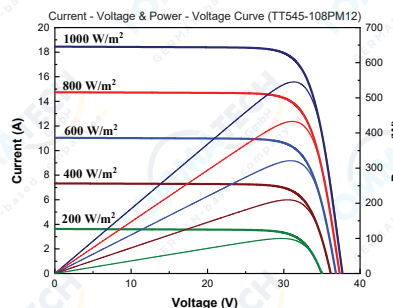
### PACKING CONFIGURATION

Container	40' GP
Pieces per Pallet	31
Pieces Per Container	480
Pallet Per Container	16

### PHYSICAL CHARACTERISTICS



### ELECTRICAL CHARACTERISTICS



\* The specifications are obtained under the standard test conditions: 1000W/m<sup>2</sup> solar irradiance, 1.5 Air Mass and cell temperature of 25°C. Measurement uncertainty for all panels is 6%. The actual transactions will be subject to the contracts. These parameters are for reference only and it is not a part of the contracts. The technical specifications in this document may vary. For more information, refer to the "Installation Manual".

\* For roof, facades and installations on similar surfaces, solar panels should be mounted over a fire-resistant covering suitable for this application, with adequate ventilation between the back of the solar panels and the mounting surface. Improper installations are hazardous and may spark a fire. Solar panels must not be mounted on structures and roofs which are made of not fire-resistant materials such as plastic layer, transparent plastic, PVC or similar materials without any fire-protection layer. Usage and installation not in accordance with the guidelines as outlined in the installation manual will terminate the warranty. Please refer to the installation manual and the warranty documents for further details.

\* TommaTech® GmbH reserves the right to change the specification of products without prior notice.

Ver.2305.31



## SPI SERIES SOLAR PUMP INVERTER



MODEL	230V Solar Pumping Inverter	400V Solar Pumping Inverter
AC Input Voltage	220V(-15%) 240V(+10%)	380V(-15%) 440V(+10%)
Maximum PV Input Voltage	450V	900V
Start-Up Voltage	200V	300V
Lowest Working Voltage	150V	250V
DC Input Voltage Range	200V-400V	300V-750V
Recommended MPPT Voltage	330V	550V



SPI INVERTER	AC INPUT VOLTAGE (V)	RATED POWER (kW)	RATED INPUT CURRENT (A)	RATED OUTPUT CURRENT (A)	COMPATIBLE MOTOR (kW)
SPI-TT-1.5-MF	1PH 230V	1.5	15.7	10.2	1
SPI-TT-2.2-MF		2.2	24	14	1.5
SPI-TT-1.5-TF		1.5	5	4.2	1.1
SPI-TT-2.2-TF	3PH 400V	2.2	5.8	5.5	1.5
SPI-TT-4.0-TF		4	13.5	9.5	2.2
SPI-TT-5.5-TF		5.5	19.5	14	4
SPI-TT-7.5-TF		7.5	25	18.5	5.5
SPI-TT-11.0-TF		11	32	25	7.5
SPI-TT-15.0-TF		15	40	32	11
SPI-TT-18.5-TF		18	47	38	15
SPI-TT-22.0-TF		22	51	45	18.5
SPI-TT-30.0-TF		30	70	60	22
SPI-TT-37.0-TF		37	80	75	30
SPI-TT-45.0-TF		45	94	92	37
SPI-TT-55.0-TF		55	128	115	45
SPI-TT-75.0-TF		75	160	150	55
SPI-TT-90.0-TF		90	190	180	75
SPI-TT-110.0-TF		110	225	215	90
SPI-TT-132.0-TF		132	240	250	110
SPI-TT-160.0-TF		160	290	305	132
SPI-TT-185.0-TF	185	330	340	160	
SPI-TT-250.0-TF	250	460	480	220	

\* TommaTech® GmbH reserves the right to change the specification of products without prior notice.

\*\* Up to 650kW power option is available upon request.



1.5KW-15KW PLASTIC CASE

18.5KW-132KW METAL CASE

MODEL NO	A (mm)	B (mm)	H (mm)	W (mm)	D (mm)	Mounting Hole (mm)
SPI-TT-1.5-MF	110	170	180	120	154	4
SPI-TT-2.2-MF						
SPI-TT-1.5-TF						
SPI-TT-2.2-TF						
SPI-TT-4.0-TF	148	240	250	161	184	5
SPI-TT-5.5-TF						
SPI-TT-7.5-TF						
SPI-TT-11.0-TF	205	305	320	220	190	6
SPI-TT-15.0-TF						
SPI-TT-18.5-TF	220	455	475	295	245	6
SPI-TT-22.0-TF						
SPI-TT-30.0-TF						
SPI-TT-37.0-TF						
SPI-TT-45.0-TF						
SPI-TT-55.0-TF						
SPI-TT-75.0-TF						
SPI-TT-90.0-TF	320	730	755	460	330	6
SPI-TT-110.0-TF						
SPI-TT-132.0-TF						
SPI-TT-160.0-TF	550	-	1200	860	385	vertical base
SPI-TT-185.0-TF						
SPI-TT-250.0-TF	750	-	1400	1020	405	vertical base

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