17/20kw Grid connected / Transformerless





- High efficiency,
 Maximum efficiency of
 MPPT is more than 99%
- Variety of communication interfaces
- Data remote acquisition

Feature			- ()	
Delivery period (Week) 1-4w		Feature	Transformeless-3 phases	
Type	_			
Max DC power		Delivery period (Week)		=
Max. DC input voltage 1000 1000V MPP voltage range 400V-800V 480V-800V 480V-80V 700V 700		**		
MPP voltage range	Input DC	•	17.5kw	20.5KW
Input DC		Max. DC input voltage	1000	1000V
Maximum input current 22*2 2x22A Number of MPP inputs 2 2 Number of DC inputs 6 6 6 Related power 17.5KVA 20.5KVA Related AC voltage 380V 380V 380V Rated frequency (Hz) 50Hz 50HZ Output AC Max. output current (A) 24.6A 30A THD(rated power 20.99 ≥0.99 ≥0.99 Power factor at rated power 20.99 ≥0.99 connection phases three-phase three-phase Ffficiency Max. efficiency 97.40% 97.40% European efficiency 96.60% 96.60% Input-side disconnection device 0 0 Output-side disconnection 0 0 0 Output-side disconnection 0 0 0 0 Output-side disconnection 0 0 0 0 0 Output-side disconnection 0 0 0 0 0 0 0 0 0		MPP voltage range	400V-800V	480V-800V
Number of MPP inputs 2 2 2 2 2 2 2 2 2		Rated input voltage (V)	700V	700V
Number of DC inputs		Maximum input current	22*2	2x22A
Related power 17.5KVA 20.5KVA Related AC voltage 380V		Number of MPP inputs	2	2
Related AC voltage Rated frequency (Hz) Output AC Max. output current (A) THD(rated power) Power factor at rated power connection phases Efficiency Max. efficiency Max. efficiency Frotection Protection Protection Protection Protection Application Related AC voltage Rated frequency (Hz) Ax. efficiency Burden and a communication device Output-side disconnection device No Oore factor at rated power Oore of a communication No Oore of a communication Oor		Number of DC inputs	6	6
Rated frequency (Hz) 50Hz 50HZ Max. output current (A) 24.6A 30A 30A 30A 30A 30A 30A 30A 30A 30A 30	Output AC	Related power	17.5KVA	20.5KVA
Output AC Max. output current (A) 24.6A 30A THD(rated power) <3%		Related AC voltage	380V	380V
THD(rated power) <3% <3% <3% <3% <3% <3% <3% <3% <3% <3%		Rated frequency (Hz)	50Hz	50HZ
Power factor at rated power connection phases three-phase three-phase three-phase production phases three-phase production phases three-phase production phases production phases three-phase production phases production phases production prod		Max. output current (A)	24.6A	30A
connection phases three-phase three-phase Max. efficiency 97.40% 97.40% European efficiency 96.60% 96.60% Input-side disconnection device Output-side disconnection device Grid monitoring Ground fault monitoring Insulation monitoring Insulation monitoring Insulation monitoring Insulation monitoring Insulation Inco Dimensions (W) (mm)/Package Size: 605X786X230/900*720*400mm Loading capacity per 40HQ 250 pcs / 40HQ 250 pcs / 40HQ Weight (Kg)/per unit N.50/G.55kgs		THD(rated power)	<3%	<3%
Efficiency European efficiency European efficiency Protection Protection By a company of the protection of the protect		Power factor at rated power	≥0.99	≥0.99
European efficiency Protection Input-side disconnection device		connection phases	three-phase	three-phase
Protection Protection Input-side disconnection device Output-side disconnection device Output-side disconnection device One Output-side disconnection device Output-side disconnection device One On	Efficiency	Max. efficiency	97.40%	97.40%
Protection Output-side disconnection device Grid monitoring Ground fault monitoring Insulation monitoring Electrical isolation Oimensions (W) (mm)/Package Size: Electrical isolation No Elec		European efficiency	96.60%	96.60%
Protection Grid monitoring Ground fault monitoring Insulation monitoring Electrical isolation Dimensions (W) (mm)/Package Size: Loading capacity per 40HQ Weight (Kg)/per unit Weight (Kg)/per 40HQ Operating temperature range (°C) Max self-consumption Cooling concept Degree of Protection Physical Application Application Grid monitoring Insulation monitoring Insulation Insulation monitoring Insulation	Protection	Input-side disconnection device	•	•
Frotection Ground fault monitoring Insulation monitoring Electrical isolation Dimensions (W) (mm)/Package Size: G05X786X230/900*720*400mm Loading capacity per 40HQ Weight (Kg)/per unit Wight (Kg)/per 40HQ Operating temperature range (°C) Max self-consumption Cooling concept Degree of Protection Physical Application Relative humidity range (non-condensation) Display Display LCD Communication interface RS485 Rober 250 pcs / 40HQ 250		Output-side disconnection device	no	no
Ground fault monitoring no lnsulation monitoring Electrical isolation no no no no no no no		Grid monitoring	•	•
Electrical isolation no no Dimensions (W) (mm)/Package Size: 605X786X230/900*720*400mm Loading capacity per 40HQ 250 pcs / 40HQ 250 pcs / 40HQ Weight (Kg)/per unit N.50/G.55kgs N.50/G.55kgs Weight (Kg)/per 40HQ 13750 KGS 13750 KGS Operating temperature range (°C) -25~+60 -25~+60 Max self-consumption 50W/0W 50W/0W Cooling concept Forced cooling Forced cooling Degree of Protection IP65 IP65 Application Relative humidity range (non-condensation) 0~95% 0~95% Max operating altitude above MSL 2000 m 2000 m Display LCD LCD Feature Communication interface RS485 RS485		Ground fault monitoring	•	no
Dimensions (W) (mm)/Package Size: 605X786X230/900*720*400mm Loading capacity per 40HQ 250 pcs / 40HQ 250 pcs / 40HQ Weight (Kg)/per unit N.50/G.55kgs N.50/G.55kgs Weight (Kg)/per 40HQ 13750 KGS 13750 KGS Operating temperature range (°C) -25~+60 -25~+60 Max self-consumption 50W/0W 50W/0W Cooling concept Forced cooling Forced cooling Degree of Protection IP65 IP65 Application Relative humidity range (non-condensation) 0~95% 0~95% Max operating altitude above MSL 2000 m 2000 m Display LCD LCD Feature Communication interface RS485 RS485		Insulation monitoring	•	•
Physical Phy		Electrical isolation	no	no
Physical Physical Weight (Kg)/per unit Weight (Kg)/per 40HQ Operating temperature range (°C) Max self-consumption Cooling concept Degree of Protection Relative humidity range (non-condensation) Max operating altitude above MSL Display Communication interface N.50/G.55kgs N.50/G.5kgs N.50/G.5skgs N.50/G.skgs N.50/G.skgs N.50/G.skgs N.50/G.skgs N.50/G.skgs N.50/G.skgs N.50	Physical	Dimensions (W) (mm)/Package Size:	605X786X230/900*720*400mm	
Physical Weight (kg)/per 40HQ Operating temperature range (°C) Max self-consumption Cooling concept Degree of Protection Physical Application Relative humidity range (non-condensation) Display Display LCD Communication interface Weight (kg)/per 40HQ 13750 KGS 12750 KGS -25~+60 -25~+60 -25~+60 Sow/oW Sow/oW Forced cooling Forced cooling Forced cooling P65 P65 P756 P757 P758 P758 P759 P759 P759 P750 P750 P750 P750 P750 P750 P750 P750		Loading capacity per 40HQ	250 pcs / 40HQ	250 pcs / 40HQ
Operating temperature range (°C) -25~+60 -25~+60 Max self-consumption 50W/0W 50W/0W Cooling concept Forced cooling Forced cooling Degree of Protection IP65 IP65 Relative humidity range (non-condensation) 0~95% 0~95% Max operating altitude above MSL 2000 m 2000 m Display LCD LCD Feature Communication interface RS485 RS485		Weight (Kg)/per unit	N.50/G.55kgs	N.50/G.55kgs
Operating temperature range (C) Max self-consumption 50W/0W Cooling concept Forced cooling Forced cooling Degree of Protection IP65 IP65 Application Relative humidity range (non-condensation) 0~95% 0~95% Max operating altitude above MSL 2000 m 2000 m Display LCD LCD Feature Communication interface RS485 RS485		Weight (Kg)/per 40HQ	13750 KGS	13750 KGS
Cooling concept Degree of Protection P65 Papplication Relative humidity range (non-condensation) Max operating altitude above MSL Display Communication interface P65 P75 P75 P76 P77 P77 P77 P77 P77 P77 P77 P77 P77		Operating temperature range ($^{\circ}$ C)	-25~+60	-25~+60
Degree of Protection IP65 IP65 Application Relative humidity range (non-condensation) 0~95% 0~95% Max operating altitude above MSL 2000 m 2000 m Display LCD LCD Feature Communication interface RS485 RS485		Max self-consumption	50W/0W	50W/0W
Application Relative humidity range (non-condensation) 0~95% 0~95% Max operating altitude above MSL 2000 m 2000 m Display LCD LCD Communication interface RS485 RS485		Cooling concept	Forced cooling	Forced cooling
Application Max operating altitude above MSL 2000 m 2000 m Display LCD LCD Feature Communication interface RS485 RS485		Degree of Protection	IP65	IP65
Display LCD LCD Feature Communication interface RS485 RS485	Application	Relative humidity range (non-condensation)	0~95%	0~95%
Feature Communication interface RS485 RS485		Max operating altitude above MSL	2000 m	2000 m
		Display	LCD	LCD
Certification CE(EMC+LVD);VDE 0126/4105/AS4777/G59	Feature	Communication interface	RS485	RS485
		Certification	CE(EMC+LVD);VDE 0126/4105/AS4777/G59	