

HYBRID SOLAR INVERTER/SINGLE PHASE

MEGA-ECO-3KW/6KW



Parallel Operation
Up to 6 Units

MPPT

50-450Vdc



2 Independent AC Inputs
2 Outputs



High Efficiency
Max.98%

r)

Wi-Fi



Maximize PV Input
Power(2 MPPTs)



Current Transformer



Touchscreen

MODEL	RES-3K-65		RES-6K-65	
PHASE	1-phasein/1-phaseout			
MAXIMUMPVINPUTPOWER	4500W		9000W	
RATEDOUTPUTPOWER	3000W		6000W	
MAXIMUMCHARGINGPOWER	3000W		6000W	
GRID-TIEDOPERATION				
PV INPUT(DC)				
MaximumDCVoltage	/		500Vdc	
Start-upVoltage/Initial FeedingVoltage	/		90Vdc/120Vdc	
MPPTVoltage Range	/		60Vdc-450Vdc	
Number of MPPT Trackers /Maximum Input Current	/		2/18A	
GRIDOUTPUT(AC)				
NominalOutputVoltage		/	220/230/240VAC	
OutputVoltage Range		/	184-264.5VACor195.5-253VACor184-264.4VAC(Selectable)	
NominalOutputCurrent	/		26.1A	
Power Factor	/		>0.99	
EFFICIENCY				
MaximumConversion Efficiency(DC/AC)	/		97%	
OFF-GRIDOPERATION				
ACINPUT				
ACStart-upVoltage/Auto RestartVoltage	120-140VAC/180VAC			
Acceptable InputVoltage Range	90-280VAC			
Frequency Range	50Hz/60Hz(Autosensing)			
MaximumAC InputCurrent	18A		40A	
PV INPUT(DC)				
MaximumDCVoltage	500Vdc		520Vdc	
MPPTVoltage Range	50Vdc-450Vdc			
NumberofMPPTTrackers/MaximumInputCurrent	1/18A		2/18A	
BATTERYMODEOUTPUT(AC)				
NominalOutputVoltage	220/230/240VAC			
OutputWaveform	Puresinewave			
Efficiency(DCtoAC)	93%			
HYBRIDOPERATION				
PV INPUT(DC)				
MaximumDCVoltage	500Vdc			
Start-upVoltage/Initial FeedingVoltage	90Vdc/120Vdc			
MPPTVoltage Range	50Vdc-450Vdc			
NumberofMPPTTrackers/Maximum InputCurrent	1/18A		2/18A	
GRIDOUTPUT(AC)				
NominalOutputVoltage	220/230/240VAC			
OutputVoltage Range	184-264.5 VACor 195.5-253 VACor 184-264.4 VAC(Selectable)			
NominalOutputCurrent	13A		26.1A	
ACINPUT				
ACStart-upVoltage/Auto RestartVoltage	120-140VAC/180VAC			
Acceptable InputVoltage Range	90-280VACor170-280VAC			
MaximumAC InputCurrent	16A		40A	
BATTERYMODEOUTPUT(AC)				
NominalOutputVoltage	220/230/240VAC			
Efficiency(DCtoAC)	93%			
BATTERY&CHARGER				
Nominal DCVoltage	24Vdc		48Vdc	
MaximumSolarChargingCurrent	100A		135A	
MaximumACChargingCurrent	100A		135A	
MaximumChargingCurrent	100A		135A	
GENERAL				
PHYSICAL				
Dimension,DxWxH(mm)	451x353x160.2		471x444x200	
NetWeight(kg)	12.3		18.5	
INTERFACE				
Parallel Function	/		Yes,6units	
Communication Port	RS232/RS485/Wi-Fi		RS232/RS485/CAN/Wi-Fi/Drycontact	
ENVIRONMENT				
Humidity	5%to95%Relative Humidity(Non-condensing)			
IPdegree	IP65			
OperatingTemperature	-10℃ – 50℃			
StorageTemperature	-15℃ – 60℃			