



# 1.5/2.8 KVA

## MARVEL HYBRID SERIES

### SOLAR HYBRID INVERTERS



## KEY SALIENT FEATURES

- Simulated sine wave 90%
- Built in solar charge controller 60AMP
- Battery equalization
- Hybrid settings functional with 3 buttons
- Boosted buck charging with (AVR)
- Voltage operate 95 volts 285 volts
- Reverse polarity protection
- Automatic Line-to-battery switch over
- Selectable input voltage ranges
- Rack design and wall-Mounted design for flexible installation
- Provides overload protection
- Auto restart while AC recovery
- Multi-function LED/LCD indications and buzzer alarms
- High efficient DC-to-AC conversion minimizing energy loss
- Intelligent 4-stage charger for efficient charging and preventing overcharge
- Cost-effective as compare to generator multiple protection : Low battery alarm, Low battery shutdown, Over charge voltage shutdown, Overload alarm, Overload shutdown, Over temperature shutdown, Short circuit shutdown
- Conformal coating to prevent from dust and humidity



\*Terms & Condition Applies

### Certification



# MARVEL

S E R I E S

Powered by **GROWATT PK**

MODELS	MARVEL 1.5 KVA HYBRID	MARVEL 2.8 KVA HYBRID
Rated Power	1500VA / 1050W	2800VA / 1820W
<b>INPUT</b>		
Voltage	230 VAC	
Selectable Voltage Range	170-280 VAC (For Personal Computers) : 90-280 VAC (For Home Appliances)	
Frequency Range	50 Hz/60 Hz (Auto Sensing)	
<b>OUTPUT</b>		
AC Voltage Regulation (Batt.Mode)	230VAC+/- 5%	
Overload (Line mode)	Load > 110% +/- 15% Alarm 5 mins then fault if user decrease the load <100% rating, the overload alarm can release. Load >130% +/- 15% fault immediately	
Surge Power		
Efficiency(Peak)	90% ~ 93%	
Transfer Time	10 ms (for Personal Computers) : 20 ms (for Home Appliances)	
Wave form	Simulated Sine Wave	
<b>BATTERY</b>		
Battery Voltage	12 VDC	24 VDC
Floating Charge Voltage	13.5 VDC	27VDC
Overcharge Protection	16 VDC	31 VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>		
Solar Charger Type	Semi MPPT	Semi MPPT
Maximum PV Array Open Circuit Voltage	55VDC	55VDC
Maximum PV Array Power	1000W	1500W
MPPT Range @ Operating Voltage	15-55 VDC	30-55 VDC
Maximum Solar Charge Current	60A	60 A
Maximum AC Charge Current	20A	20 A
Maximum Charge Current	80 A	80 A
<b>ALARM</b>		
<b>PHYSICAL</b>		
Dimension.D*W*H(mm)		
Net Weight (kgs)		
Communication Interface		
<b>OPERATING ENVIRONMENT</b>		
Humidity	5% to 95% Relative Humidity (Non-Condensing)	
Operating Temperature	-10°C to 50°C	
Storage Temperature	-15°C to 50°C	

Note: Product specifications are subject to change without further notice

