

AGV Plus Duo/Tri Off-Grid Inverter



- Pure sine wave inverter
- Built-in 2 or 3 strings of MPPT solar charge controller depending on models
- Wide battery input range
- Selectable input voltage range for home appliances and personal computers
- Selectable high power charging current
- Configurable AC/Solar input priority via LCD setting
- Compatible with mains voltage or generator power
- Auto restart while AC is recovering
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance
- Optional remote panel available
- Multiple communication : USB & SNMP
- Parallel operation with up to 9 units only available for 5KVA

AGV Plus Duo/Tri Inverter/Charger Selection Guide

MODEL	AGV Plus Duo 1.5K-12	AGV Plus Duo 1.5K-48	AGV Plus Duo 3K-24	AGV Plus Duo 3K-48	AGV Plus Duo 5K	AGV Plus Tri 5K
Rated Power	1500VA/1200W		3000VA/2400W		5000VA/4000W	
INPUT						
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)					
OUTPUT						
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%					
Surge Power	3000VA		6000VA		10000VA	
Efficiency (Peak)	90% - 93%					
Transfer Time	10 ms (For Personal Computers) 20 ms (For Home Appliances)					
Waveform	Pure sine wave					
BATTERY						
Battery Voltage	12 VDC	48 VDC	24 VDC	48 VDC	48 VDC	48 VDC
Floating Charge Voltage	13.5 VDC	54 VDC	27 VDC	54 VDC	54 VDC	54 VDC
Overcharge Protection	16 VDC	62 VDC	32 VDC	62 VDC	60 VDC	60 VDC
SOLAR CHARGER & AC CHARGER						
Maximum PV Array Power	1000W	2000W	2000W	3000 W	6000W	9000W
MPPT Range @ Operating Voltage	15~80 VDC	60 ~ 90 VDC	30~80 VDC	60 ~ 90 VDC	60~115 VDC	
Maximum PV Array Open Circuit Voltage	100 VDC				145 VDC	
Maximum Solar Charge Current	40A x 2	20A x 2	40A x 2	30A x 2	60A x 2	60A x 3
Maximum AC Charge Current	60 A	30 A	60 A	60 A	60 A	60 A
Maximum Charge Current	140 A	70 A	140 A	120 A	180 A	240 A
Maximum Efficiency	98%					
PHYSICAL						
Dimension, DxWxH(mm)	124 x 272 x 400				194 x 295 x 455	
Net Weight (kgs)	8.0				16	17
ENVIRONMENT						
Humidity	5% to 95% Relative Humidity (Non-condensing)					
Operating Temperature	-20°C to 55°C				0°C to 55°C	
Storage Temperature	-30°C to 60°C				-15°C to 60°C	

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