

SPECIFICATION

MODEL	FA-MPCHR-12V-300W	FA-MPCHR-12V/24V-600W	FA-MPCHR-36V-850W	FA-MPCHR-12V/48V-3000W			
INPUT							
MPPT Range @ Operating Voltage	15 VDC ~ 37 VDC	15 VDC ~ 33 VDC	30 VDC ~ 66 VDC	45 VDC ~ 88 VDC	60 VDC ~ 115 VDC		
Maximum PV Array Open Circuit Voltage	50 VDC	50 VDC	75 VDC	98VDC	145VDC		
Maximum PV Array Power	300 W	300 W	600 W	850 W	800W	1600W	3200W
Maximum Current		18 A		17A		50 A	
OUTPUT							
Nominal Battery Voltage	12 VDC	12 VDC	24 VDC	36 VDC	12 VDC	24 VDC	48 VDC
Connected Battery Type	Sealed lead acid, vented, Gel, NiCd battery			Sealed lead acid, AGM or Gel			
Maximum Charging Current		25 A		20A		60 A	
Maximum Efficiency	98%						
Charging Method	Three stages: bulk, absorption, and floating						
PROTECTION							
Overload Protection					> 110% : audible alarm		
Overcharge Protection					Yes		
Polarity Reversal Protection @ Solar Cell & Battery					Yes		
INDICATORS							
LCD Panel	LCD panel indicating solar power, load level, battery voltage/capacity, charging current, and fault conditions						
LED Display	Three indicators for solar, charging, and load status						
PHYSICAL							
Dimension, D x W x H (mm)	135 x 170 x 57.5		220 x 170 x 57.5		315 x 165 x 128		
Net Weight (Kgs)	0.92		1.85		4.5		
IP Protection	IP 43				IP 31		
Connector	Input/Output terminal block						
ENVIRONMENT							
Humidity	0 ~ 100% RH (Non-condensing)			5 ~ 95% RH (Non-condensing)			
Operating Temperature	-20°C to 55°C			0°C to 55°C			
Storage Temperature	-40°C to 75°C			-15°C to 60°C			
Altitude	0 ~ 3000 m						

UPS

INVERTERS

ACCESSORIES

AVR

BATTERIES

SOLAR SOLUTION