

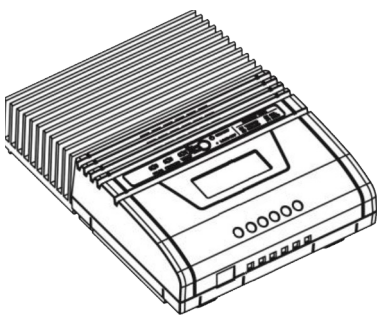
MPPT CHARGERS



APPLICATION



SCHEMATIC



BENEFITS

- ✓ Intelligent Maximum Power Point Tracking technology
- ✓ Built-in DSP controller with high performance
- ✓ Automatic battery voltage detection (Only for 600W and 3KW)
- ✓ Battery temperature sensor (BTS) automatically provides temperature compensation (only for 3KW)
- ✓ Three-stage charging optimizes battery performance
- ✓ Auto load-detection
- ✓ MultifunctionAL LCD displays detailed information
- ✓ Reverse polarity protection of solar panel and battery
- ✓ Overcharge and overload protection
- ✓ Suitable for different battery types

FEATURES



FARBER-CHARGER™

Technology increases battery lifetime



FARBER-TECHTOR™

Technology protects against low battery



FARBER-TECHTOR™

Technology protects against short circuit

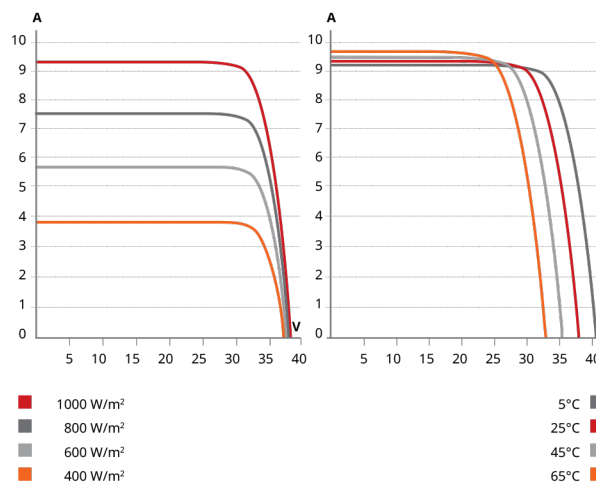


FARBER-TECHTOR™

Technology protects loose connection

SPECIFICATION

MODEL	FA-MPCHR-12V-120W	FA-MPCHR-24V-240W	FA-MPCHR-12V-360W	FA-MPCHR-12V-600W	FA-MPCHR-24V-720W	FA-MPCHR-24V-1200W
Capacity	120W	240W	360W	600W	720W	1200W
INPUT						
Maximum PV Array Open Circuit Voltage	25 VAC	50 VAC			75 VAC	
Maximum PV Array Power	120W	240W	360W	600W	720W	1200W
Maximum Current	10A	20A	30A	50A	30A	50A
OUTPUT						
Nominal Battery Voltage	12 VDC	24 VDC		12 VDC		24 VDC
Maximum Charging Current	10A	20A	30A	50A	30A	50A
Ripple Voltage	< ± 1 V					
Charging Method	Two stages: bulk and floating 1 / floating 2					
INDICATORS						
LED Display	Green LED indicating charging status					
PHYSICAL						
Dimension, D x W x H (mm)	92.6 x 60.7 x 30.8		107.6 x 75 x 30.8	131 x 85 x 40.5	107.6 x 75 x 30.8	131 x 85 x 40.5
Net Weight (kgs)	210 g		340 g	490 g	340 g	490 g
Connector	PV/Battery terminal block			PV/Battery/Load terminal block		
Type of Mechanical Protection	IP 31					
ENVIRONMENT						
Operating Temperature	-20°C to 55°C					
Storage Temperature	-40°C to 75°C					
Altitude	0 ~ 3000 m					



FARBER-CHARGER™

Quick charge / normal charge options



FARBER-TEHTOR™

Technology protects against overload



FARBER-TEHTOR™

Technology protects against reverse polarity