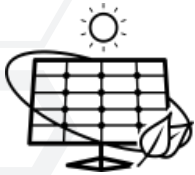


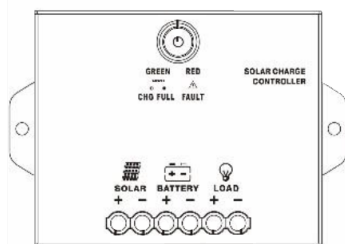
PWM CHARGERS



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 type

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-PWCHR-12V-300W	FA-PWCHR-24V-600W	FA-PWCHR-36V-850W	FA-PWCHR-48V-1200W
INPUT				
Voltage	230 VAC			
MPPT Range @ Operating Voltage	15 VDC ~ 37 VDC	15 VDC ~ 33 VDC	45 VDC ~ 88 VDC	60 VDC ~ 115 VDC
Maximum PV Array Open Circuit Voltage	50 VDC		98 VDC	145 VDC
Maximum PV Array Power	300 W	600 W	850 W	800 W 1600 W 3200 W
Maximum Current	18 A		17 A	50 A
OUTPUT				
Nominal Battery Voltage	12 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		20 A	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 Display	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	
Type of Mechanical Protection	IP 43		IP 31	
ENVIRONMENT				
Humidity	0 ~ 100% RH (No condensing)		5 ~ 95% RH (No 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			



FARBER-CHARGER™

Quick charge / normal charge options



FARBER-TECHTOR™

Technology protects against overload



FARBER-TECHTOR™

Technology protects against reverse polarity