

It runs with  
the Sun

# PowerCom



## MPPT -Solar Charge Controller

### Product Descriptions

With advanced maximum-power-tracking technology, MPPT series ensures maximum performance from your solar array at all times and in all weather conditions. It's compatible to 4 different battery types, sealed lead acid, vented, gel and NiCad. Powder coated aluminum encloser with heavy thermal Fin-typed runway and easy wall mounted facility.

### Main Features

- \* Intelligent Maximum Power Point Tracking technology
- \* increases efficiency 25%~30%
- \* Compatible for PV systems in 12V, 24V or 48V
- \* Five -stage charging optimizes battery performance
- \* Maximum efficiency up to 98%
- \* Maximum charging current 125% on rated capacity
- \* Battery temperature sensor (BTS) automatically provides temperature compensation
- \* Support wide range of lead-acid batteries including wet, AGM, and gel batteries
- \* Multifunction LCD displays detailed information



### Main Applications

- \* Remote Telecom Charger
- \* Battery charger
- \* DC Load
- \* All DC applications

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YOUR POWER CONSULTANT

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## Technical Specifications

Model>	MPPT-45PCM	MPPT-60PCM
<b>ELECTRICAL PARAMETERS</b>		
<b>PV INPUT</b>	Isolated	Isolated
MPPT Range	60 VDC ~ 115 VDC	60 VDC ~ 115 VDC
<b>Maximum PV Array Open Circuit Voltage</b>	145VDC	145VDC
Maximum PV Array Power	600/1200/2400W	800/1600/3200W
Maximum Input Current	39A	50 A
<b>BATTERY</b>		
Nominal Battery Voltage	12/24/48VDC	12/24/48VDC
Connected Battery Type	Lead Acid/AGM/ Gel	Lead Acid/AGM/ Gel
Maximum Charge Current	45A	60 A
Maximum Efficiency	98%	98%
Charging Method	Five Stages: Trickle, Boost, Heavy bulk, Absorption and Floating	Five Stages: Trickle, Boost, Heavy bulk, Absorption and Floating
Dimension, D x W x H (mm)	315 x 165 x 128	315 x 165 x 128
Net Weight (KGs)	4.5	4.5
Type of Mechanical Protection	IP 31(Indoor Use)	IP 31(Indoor Use)
<b>COMMUNICATION</b>		
Standard	RS-232 and Dry contact USB, Modbus and SNMP	RS-232 and Dry contact USB, Modbus and SNMP
<b>ENVIRONMENT</b>		
Humidity	5 ~ 95% RH (No condensing)	5 ~ 95% RH (No condensing)
Operating Temperature	0°C to 55°C	0°C to 55°C
Storage Temperature	-15°C to 60°C	-15°C to 60°C
Colour	Off White	Off White
Packaging	Export	Export
Grounding	Body	Body
Auxiliary Contact	Optional	Optional
Display	LCD	LCD
Data logging	160days	160days
Charging/Discharging	Separate	Separate
Compliance	TUV/CE/ISO/RoHS	TUV/CE/ISO/RoHS

Product specifications are subject to change without further notice