

## Solar Charge Controllers

### Mini solar charge controllers (CMP12)

#### Features:

- I voltage regulation
- I PWM shunt Battery charging
- I floating charge
- I automatic reconnection
- I automatic selection of voltage (12V/24V)
- I temperature compensation

#### Electronic Protections:

- I overloading protection
- I short circuit protection
- I reverse current protection
- I reverse polarity protection
- I lightning protection
- I overcharge protection
- I overdischarge protection

(Technical Data at 25°C:)



Model	CMP12 6A	CMP12 12A
Max. load current	≤6A	≤12A
Voltage Drop	<140mv	<210mv
Rated Voltage	12/24 V auto	
High Voltage Disconnection	13.7V -27.4V	
Low Voltage Disconnection	10.5V -21.0V	
Low Voltage Reconnection	12.6V -25.2V	
Temperature Compensation	-3mv/°C/cell	
Max. own consumption	≤20mA	
Biggest connection terminal	4mm <sup>2</sup>	
Size	102x45x107mm	
Weight	0.168kg	

## Medium solar charge controllers (CMP24)

### Features:

- I voltage regulation
- I floating charge
- I automatic reconnection
- I automatic selection of voltage (12V/24V)
- I Intelligent temperature compensation
- I high voltage disconnection(HVD)
- I low voltage disconnection(LVD)
- I Display State of Charge(SOC)
- I Automatic recovering program depending on battery charge
- I Visual CPU LCD control on Ampere charge and discharge

### Electronic Protections:

- I overloading protection
- I short circuit protection
- I reverse current protection
- I reverse polarity protection
- I lightning protection
- I overcharge protection
- I overdischarge protection

(Technical Data at 25°C:)



Model	CMP24 20A	CMP24 24A
Max. load current	≤20A	≤24A
Voltage Drop	<240mv	<280mv
Rated Voltage	12/24 V auto	
High Voltage Disconnection	13.7V -27.4V	
Low Voltage Disconnection	10.5V -21.0V	
Low Voltage Reconnection	12.6V -25.2V	
Temperature Compensation	-3mv/°C/cell	
Max. own consumption	≤20mA	
Biggest connection terminal	6mm <sup>2</sup>	
Size	152x55x125mm	
Weight	0.44kg	

## Intelligent solar charge controllers (CMP45)

### Features:

- I voltage regulation
- I floating charge
- I automatic reconnection
- I automatic selection of voltage (12V/24V)
- I Intelligent temperature compensation
- I high voltage disconnection(HVD)
- I low voltage disconnection(LVD)
- I Display State of Charge(SOC)
- I Recover set after start up with load
- I Automatic recovering program depending on battery charge
- I Visual CPU LCD control on Ampere charge and discharge

### Electronic Protections:

- I overloading protection
- I short circuit protection
- I reverse current protection
- I reverse polarity protection
- I lightning protection
- I overcharge protection
- I overdischarge protection

(Technical Data at 25°C:)



Model	CMP45 30A	CMP45 40A	CMP45 45A
Max. load current	≤30A	≤40A	≤45A
Voltage Drop	<200mv	<240mv	<280mv
Rated Voltage	12/24 V, 36V, 48V auto		
High Voltage Disconnection	13.7V -27.4V		
Low Voltage Disconnection	10.5V -21.0V		
Low Voltage Reconnection	12.6V -25.2V		
Temperature Compensation	-3mv/°C/cell		
Max. own consumption	≤20mA		
Biggest connection terminal	16mm <sup>2</sup>		
Size	181x80x165mm		
Weight	0.71kg		