

Features:

- ※ programmable and especially for solar street light system
- ※ Strong and durable aluminum case, IP67
- ※ 12V/24V Automatic recognition
- ※ 3 modes for solar street light system
- ※ Dimming function: 30%~70% of rated power adjustable
(Work with Dragon series constant current driver)
- ※ Digital Unit to configure Smart charge controller via UART External temperature sensor, automatic temperature compensation
- ※ Four stages charge way: fast, boost, equalization, float
- ※ Full automatic electronic protect function



Specification	CPC2405	CPC2410	CPC2415	CPC2420
Nominal voltage	12 V / 24 V automatic recognition			
Max. solar current or load current	5 A	10 A	15A	20A
Boost voltage	14.5V/ 29.0V (25°C)			
Equalization voltage	14.8V/ 29.6V (25°C)			
Float voltage	13.7V/ 27.4V (25°C)			
Load disconnect voltage	10.8~11.9V/21.6~23.8V			
Load reconnect voltage	12.0~13.2V/24.0~ 26.4V			
Lighting hours	0~18Hours			
Day/Night threshold	3.0~7.5V/6.0~15.0V			
Battery type	Gel, Liquid			
Temperature Compensation	-4.17mV/K per cell(Boost and Equalization); -3.33mV/K per cell(float)			
Max. solar voltage	55V			
Max. battery voltage	40V			
Over voltage protection	15.5/31.0V			
Cable length	120mm/80mm			
Dimensions /Weight	85 x 70 x 20 mm / 200g			
Wire size	SM05: 1.5mm ² ; SM10: 2.5mm ² ; SM15/SM20: 4mm ²			
Typical power consumption	8mA			
Ambient temp.	-40°C ~ +60°C			
Case protection	IP67			
Max altitude	4000 m			