

# NPC-PHL10A

## PWM Charge Controller

- Can handle up to 170/340 watts of panel power at 12/24 Volts
- Adaptable to different types of batteries: Flooded, Sealed/AGM, GEL, and Lithium battery
- Automatic 12/24V(FLD/GEL/SLD) DC detection, 12V/24V(manual set for Li), 10A rated charge current
- Positive ground charge controller (compatible with negative ground system, see instruction manual)
- Smart 3 stage PWM charging (Equalization, Boost, and Float) and temperature compensation increases battery life



## SPECIFICATIONS

Type	NPC-PHL10A
System voltage	12V/24V Auto
No-load Loss	8ma(12V), 12ma(24V)
Max PV Input Voltage	<55V
Rated Charge Current	10A
Max PV Input Power	170W/12V, 340W/24V
Battery Type Selection	FLD, SEL, GEL, LI
Float Charge Voltage	13.8V*n
Boost Charge Recovery Volt	13.2V*n
Over Discharge Recovery Voltage	12.6V*n
Over Discharge Voltage	11.1V*n
Operation Temperature	-25°C ~ +65°C
IP Protection	IP30
Net Weight [lbs/g]	0.40[180]
Display	LCD
Operation Altitude	<3000M
Size [in/mm]	4.80[122] x 2.76[70] x 1.36[ 34.5]



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