



**RED POLE
ENERGY**



24V Industrial Charger

AC 230 VAC



**IP65
Waterproof**



PFC \geq 0.98



**Overvoltage
Protection**



**Over Temperature
Protection**



**Short Circuit
Protection**

1. Product Colour

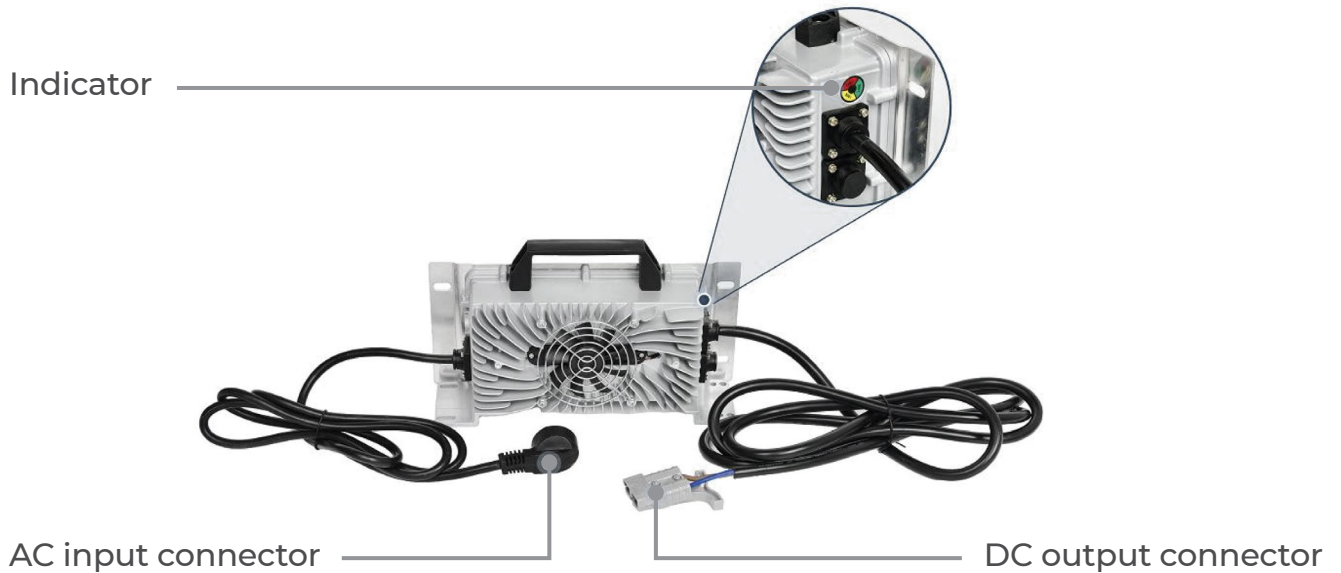


Silver



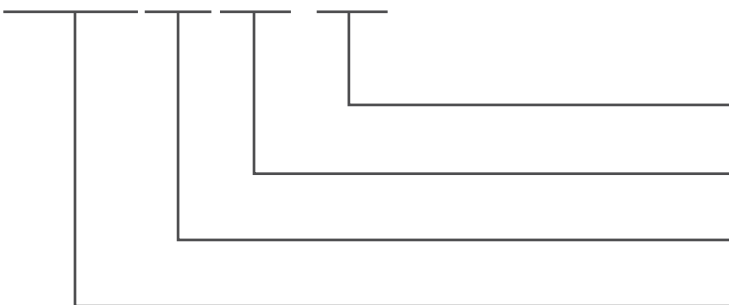
Blue

2. Product Overview



3. Model Encoding

P W C 2 4 3 0 - D



D: Derating Power Series

30: Max. Output Current 30A

24: Charger Series (Voltage)

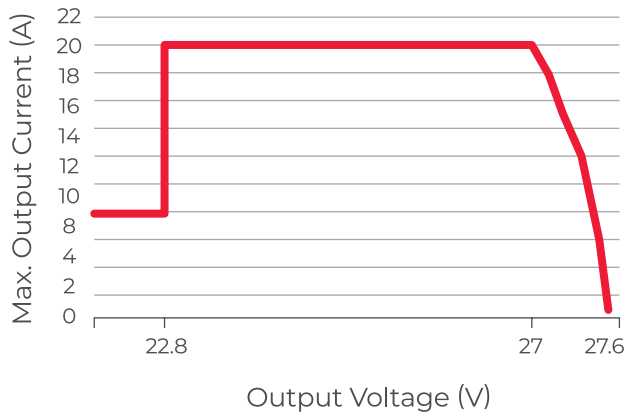
PWC: Portable Waterproof Charger

4. Technical Specification

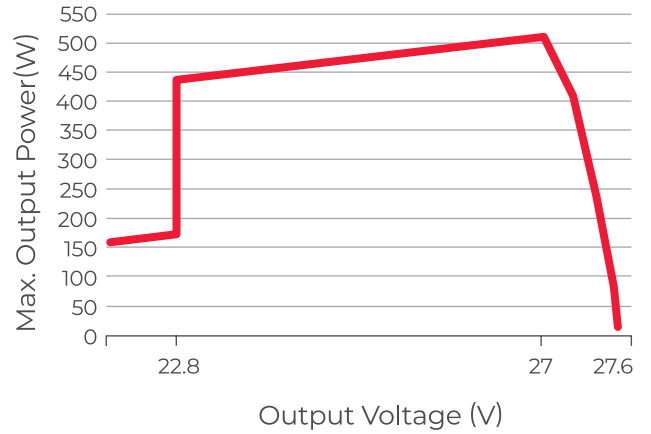
Battery type		Lead acid/Lithium Battery	
Model number		RP-PWC24V20-D	RP-PWC24V30-D
Input	Voltage range	90 ~ 264VAC	
	Frequency range	45 ~ 65Hz	
	Input current(Typ.)	3A	5A
	Power factor(Typ.)	≥0.98 (Tested when the power is above half power)	
	Max. efficiency(Typ.)	93%	
Output	Charging phase	Pre-charge + constant current + constant voltage	
	Max. output power	560W	830W
	Max. output voltage	27.6V	
	Max. output current	20A	30A
	Constant voltage	27.6V(LiFePO4 in 8 Series)	
	Max. current ripple	500mA _{p-p}	
	Static power	<2W	
Protection	Short circuit	Yes	
	Over temperature	Yes	
Function	Indicator light	Yes	
Environment	Cooling	Fan cooling	
	Waterproof	IP65	
	Working temp.	-20 ~ 50°C	
	Working humidity	10% ~ 90% RH non-condensing	
	Storage temp., humidity	-40 ~ 80°C, 10% ~ 90% RH non-condensing	
	Vibration resistant	10 ~ 500HZ, 2G 10 minutes/cycle, X, Y, Z axis each 60 minutes	
Safety & EMC	Safety standards	EN60335, GB/T4706	
	Withstand voltage	I/P-O/P: 2KVAC I/P-FG: 2KVAC O/P-FG: 2KVAC	
	Isolation resistance	I/P-O/P, I/P-FG, O/P-FG: 100M ohms / 500VDC / 25°C / 70%RH	
	EMC emission	EN55022 Class A, GB/T 9254 Class A	
	EMC immunity	EN 55024:2010, GB/T17618	
Indicator State	Yellow indicator	Steady on: almost full; 0.5S cycle flashing: initial power-on	
	Green indicator	Steady on: fully charged 1S cycle flashing: battery not connected	
	Red indicator	Steady on: charging	
		0.5S cycle flashing: the battery is reversed	
1S period blinking: output overcurrent			
2S period blinking: high battery voltage			
3S period blinking: low battery voltage			
4S period blinking: The Charger is overheated			
5S cycle flashing: battery failure			
Others	MTBF	>100K hours	
	Weight	3.15kg	
	Dimensions	289 x 158 x 82 mm	

5. Charging Curve

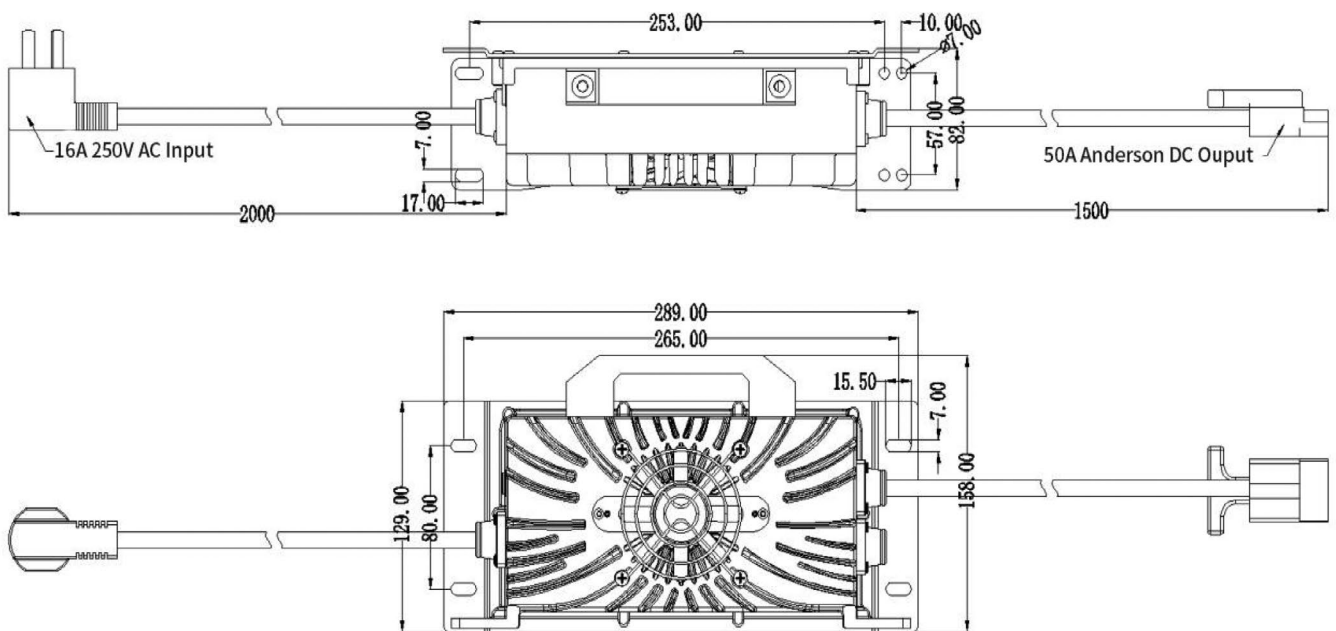
Max. Output Current



Max. Output Power



6. Product Dimensions



Unit: mm



Contact us

+27 21 023 3325 | sales@redpoleenergy.co.za

Shop 8A, The Woodmill, Vredenburg Rd, Stellenbosch, 7600

www.redpoleenergy.co.za