



TT BATTERY CHARGING UNIT-INTEGRATED-24V-50A
SRJ-TT-AC-ENT-24V-50A



PFC $\geq$ 0.98



Overvoltage protection



Over temperature protection



Short circuit protection

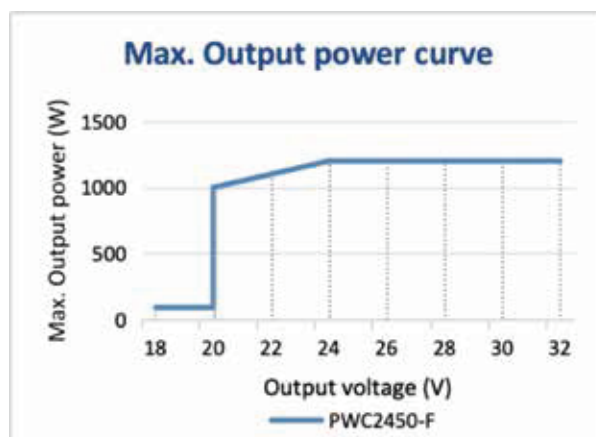
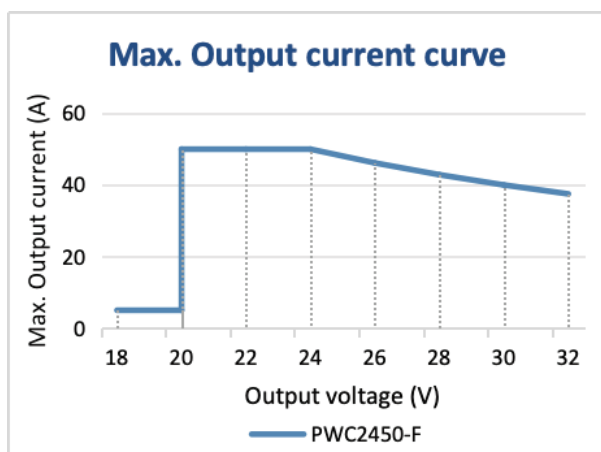


IP65 Waterproof

Technical Data

Model	SRJ-TT-AC-ENT-24V-50A
Input	
Voltage range	90 ~ 264VAC
Frequency range	45 ~ 65Hz
Input current(Typ.)	6.06A/220VAC 12.12A/110VAC
Power Factor(Typ.)	≥0.98 (Tested when the power is above half power)
Inrush current(Typ.)	Cold start 50A at 220VAC
Max. Efficiency(Typ.)	93%(220V); 91%(110V)
Leakage current	<0.5mA/220VAC
Output	
Charging phase	Pre-charge + constant current + constant voltage
Max. output power	1200W
Max. output Voltage	32V
Max. output current	50A
Constant voltage	28.8V(LiFePO4 in 8 Series)/ 25.2V(NMC in 6 Series)/ 29.4 V(NMC in 7 series)
Max. current ripple	500mA _{p-p}
Static power	<3W
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	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	GB/T 9254 Class A
EMC immunity	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
	Steady on: charging; 0.5S cycle flashing: the battery is reversed
Red indicator	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	5.0kg
Dimensions	335*192*149mm

Charging curve



Optional Cable

AC Charger Plugs



DC Charger Plugs



Note: standard cable length is 2m.

Application scenarios



Technical drawing of the 16A 250V AC Input and 50A Anderson DC Output unit. The drawing shows two views: a top view and a side view. The top view shows a rectangular unit with a central circular fan grille. Dimensions include a total width of 335.00, a total height of 149.00, and a central grille diameter of 164.00. The side view shows the unit's profile with a total length of 2000.00. Labels indicate "16A 250V AC INPUT" and "50A Anderson DC OUTPUT".