

Application

AGV/AMR/E-Bike/E-Scooter/E-Garden tool/E-Wheelchair

Electrical parameters

Matched Battery Type:		Lithium Battery/Lead Acid Battery/Lifepo4 Lithium BatteryL		
Charging Mode:		CC/CV/Mode		
Input	Range of Input Voltage:	100-250VAC		
	Input Frequency:	47~63Hz		
	AC Current:	10A/230V		
	Leakage Current:	<1.5mA/240VAC		
	Efficiency:	≥89.0%		
Output	Rated Power:	600W	800W	1000W
	Rated Voltage:	54.6V	54.6V	54.6V
	Rated Current:	11A	15A	20A
	DC Voltage Range:	10V~60V (The maximum output voltage is adjustable by RS485/CAN: 32V~60V)		
	Standby Power:	≤10W		
	Voltage Tolerance:	±1.0%		
	Ripple & Noise (Max.):	≤600mVp-p		
	Switch Overshoot:	≤10%		
	LED Indicator:	Green LED ON 250mA (Customizable digital display for voltage)		
	Setup, Rise, Hold up time:	3s, 40ms, 10ms at 115Vac Full Load		
ENVIRONMENTAL		Operating Temperature: -20 ~ +70 (Refer to "Derating Curve")		
		DC connector: Junbo straight plug, part number 1-01-03-2-0005; paired with socket ELE00011263AA (Vinfast) Note: Equip according to the actual scenario		

	Storage Temp:	-40°C ~ 80°C
	Storage Humidity:	10 ~ 95% RH
	IP:	IP20
	Fire rating:	UL94-V0 flame retardant grade, fully meeting compliance requirements
	Working Humidity:	20 ~ 95% RH Non-Condensing
PROTECTION	Over Load:	105% -150% Rated Output Power
		Protection Type: Hiccup Mode,
	Over Voltage:	105% -130% Rated Output Power
		Protection Type: Shut Down o/p Voltage, Re-power on to recover
	Short Circuit:	Shut Down o/p Voltage, Re-power on to Recover
	Battery Protection:	Battery Positive and Negative Electrode Protection
SAFETY & EMC	DC Output Anti-Spark:	YES, Auto Resume.
	Safety Regulations:	UL1012, IEC/BS/EN61558-1, IEC/BS/EN60335-2-29, IEC/BS/EN60335-1
	Withstand Voltage:	I/P-O/P:3KVAC
	Isolation Resistance:	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH
	EMC Emission:	Compliance to EN55032 (CISPR32)
OTHER	EMC Immunity:	IEC/EN61000-4-2, 3, 4, 5, 6, 8, 11
	MTBF:	200Khrs min. MIL-HDBK-217F (25°C)
	Size:	231*98*55mm
	Weight:	3kg / pcs
	Packaging:	12PCS/CTN

Charging curve (customizable)

